PC Programmable Remote Control User's Manual

(IR Mode)

For more information and support, please see Remote Control Database Center www.clurc.net.

Quick Guide

First Step

1. Prepare PC programmable remote control and install 2pcs AAA battery.
2. Prepare PC programmer (transceiver) and plug into the USB port of PC.
3. Downloading and installing software in your PC (windows OS).

Second Step

1. Identify(Read)
2. Code Select from database
3. Program(Write)

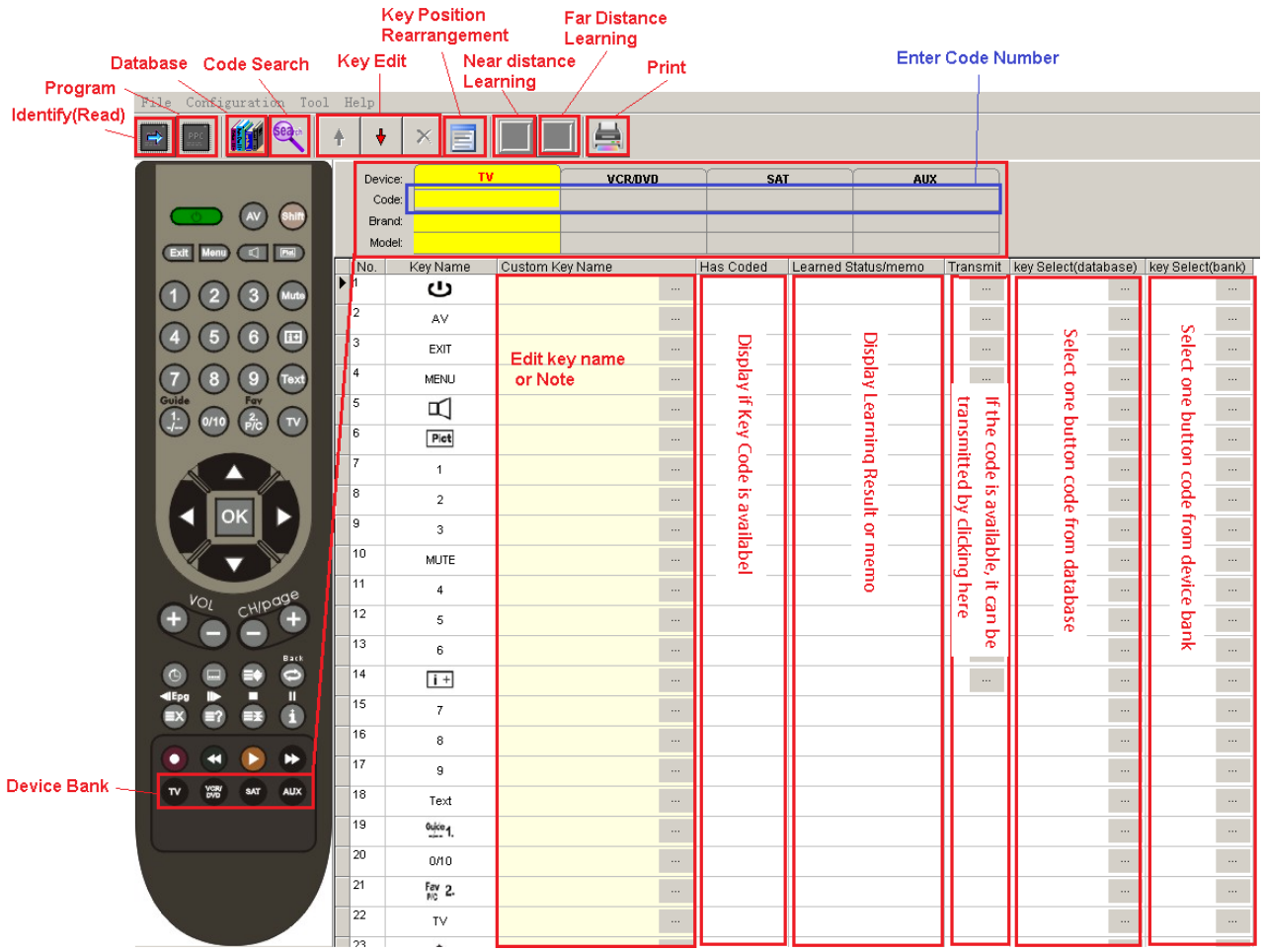

Photo 1

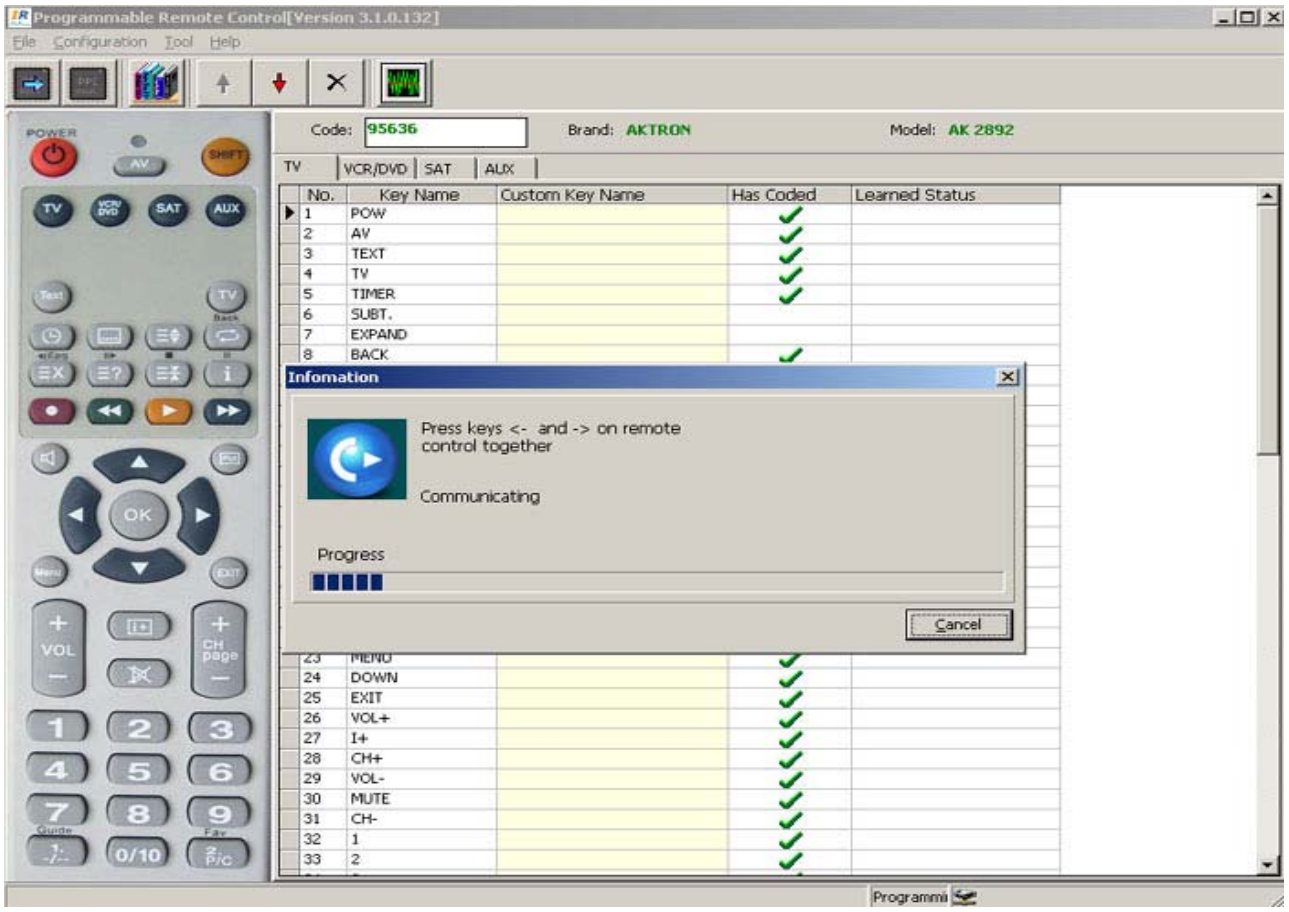

Photo 2 Program

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11, Print
12, Some useful skills
13, Others
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1, Description

1) PC programmable remote control is an update product for traditional universal remote control. Its main difference and characteristic is the IR code database source.
   Universal remote control contains IR code database in itself. PC programmable remote database is stored in PC or web server. So PC programmable remote has no risk to be out of date.
   IR communication mode remote control needs a transceiver to connect to PC. Please see below photo.

2) Software
   PC hardware request:
   - CPU: 800MHZ and above
   - RAM: 256Mbytes and above
   - Hard diask, 4G bytes and above
   - Operation system: Win 2000, Windows XP, Windows Vista, Win 7, Win 8.
3) Features
   - Compatible for PC with Windows (Programmer)
     - USB V2.0, HID device.

- Windows XP/Windows vista/Win 7/Win 8

- Powerful database
  - Factory database, updated frequently
    Factory database includes the remote control brand, model and its codes for TV, DTT, SAT, DVD, VCR, HIFI, Air Conditioner, etc. all over the world.
  - Internet shared database
    Upload by users all over the world.
- Powerful code management
  - Code learn from original remote control
  - Code search --- key code search, transmitting search and learning search.
  - Button code setup invidually.
- Low power cost
  - 2 *1.5V battery supply, can work for 1-2 years.
- IR distance
  - >8m in the same room

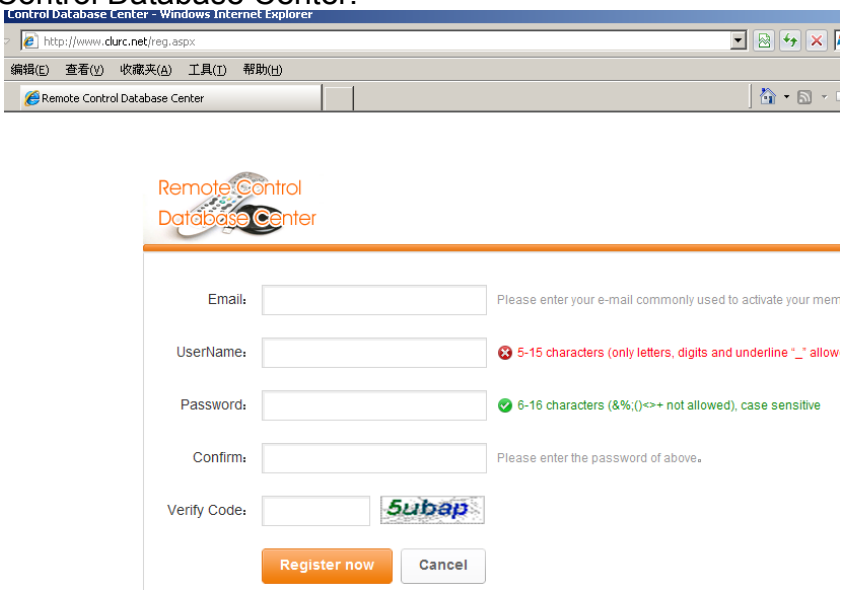
2, Remote control

This kind of remote looks same as universal remote control or learning remote control. It combines all functions of universal remote control and learning remote control.
It can be programmed with any code of any device. Because its key code can be programmed to any number of key, we can design any kind of remote control with any key name to replace original remote.

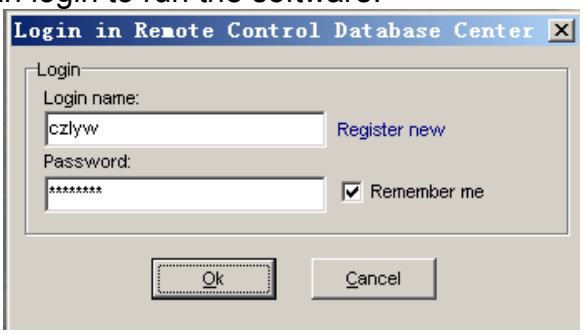
- Specification
  - Rated Power supply: 2 x 1.5V.
  - Power voltage range: 2.1V~5.5V.
  - Working power: <20mA.
  - Standby power: <3uA.
  - IR distance: >8m.
  - CE approval.

3, Register and Login

When running the software, it needs user to login. You can register in www.clurc.net, which is Remote Control Database Center.



After you register, you can login to run the software.



If any problem, you may post question in the forum of www.clurc.net or send email to clurcnet_noreply@clurc.net.

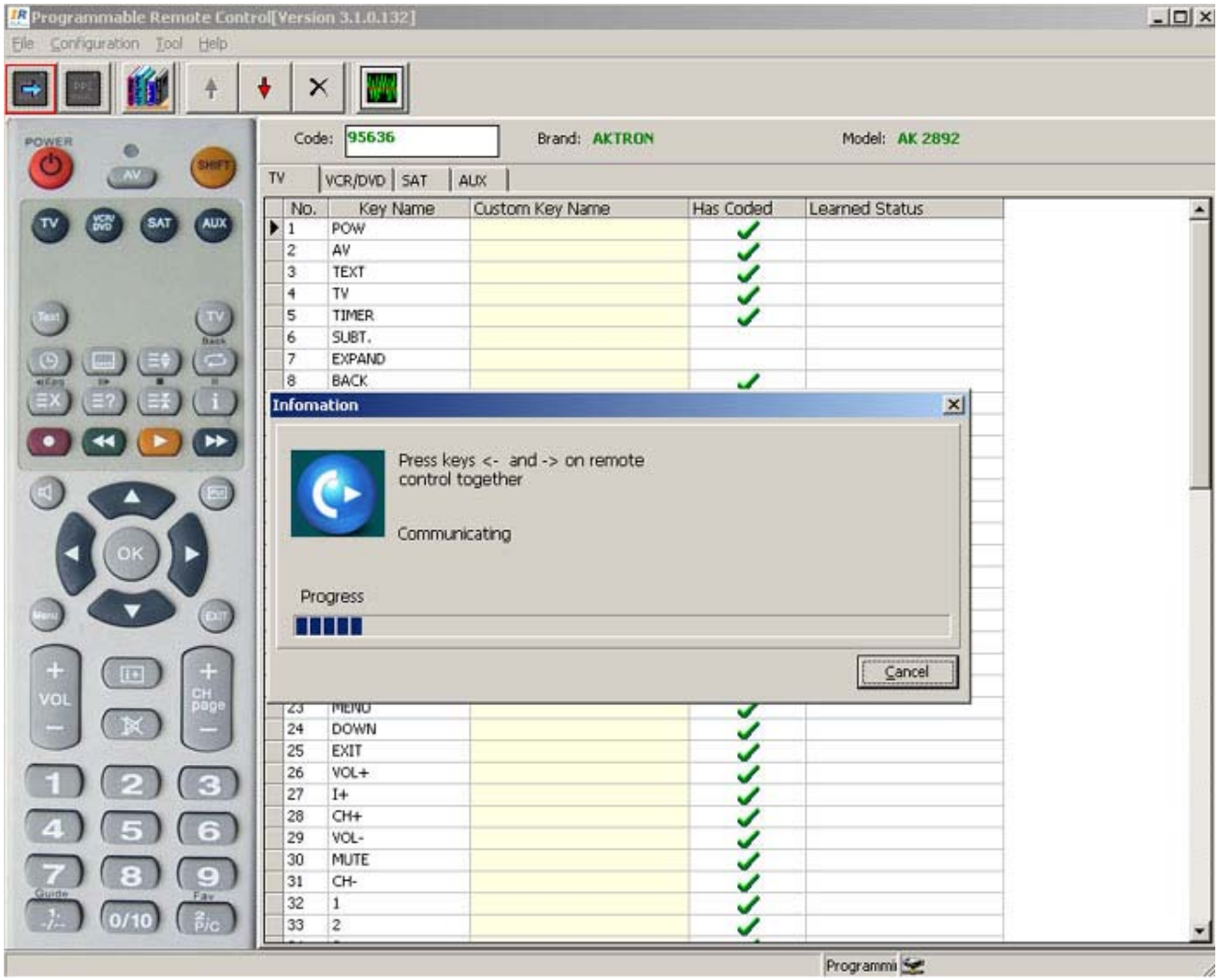
4, Programmer

The IR code data is stored in PC. It needs a transceiver or programmer to program to PC programmable remote control.

IR mode, the PC peripheral is connected to PC with USB cable and communicates with remote control by IR signal. The peripheral is indeed a transceiver, or we can call it programmer, because it program remote control with the IR code in PC.

5, Identify (Read)

When first using or after programming, it can be identified by PC software and read back the content in the programmable remote control. Please see below photo.

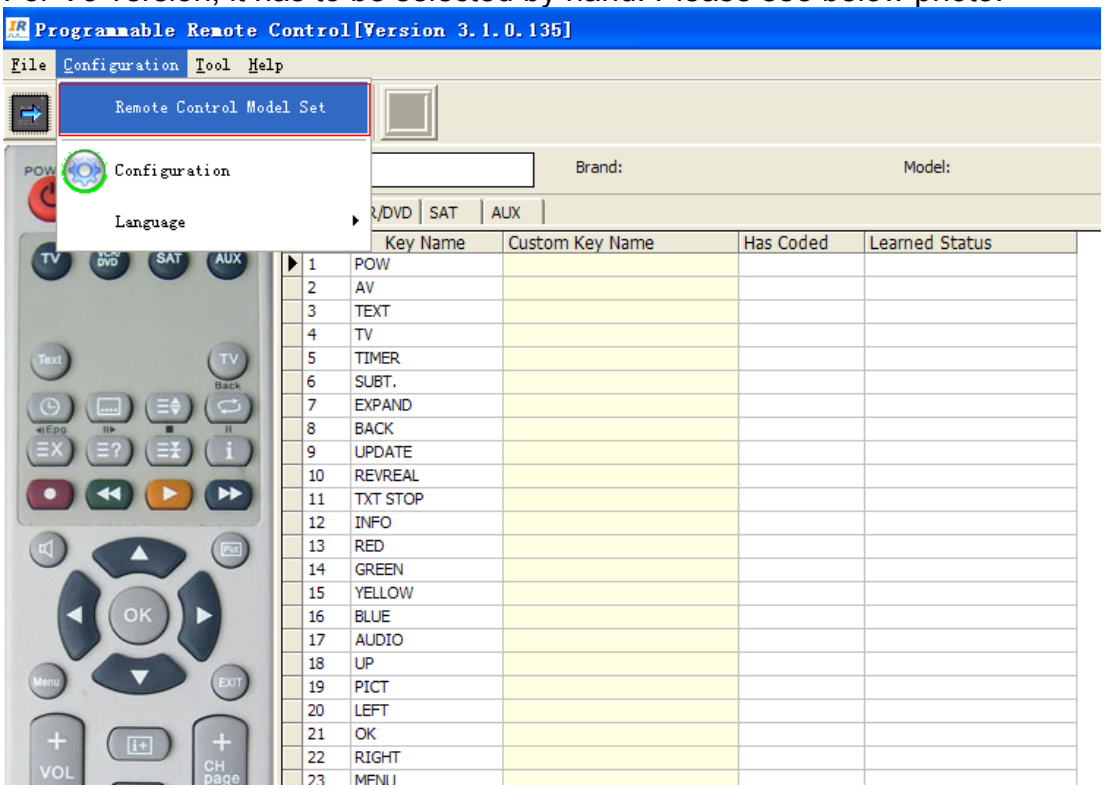


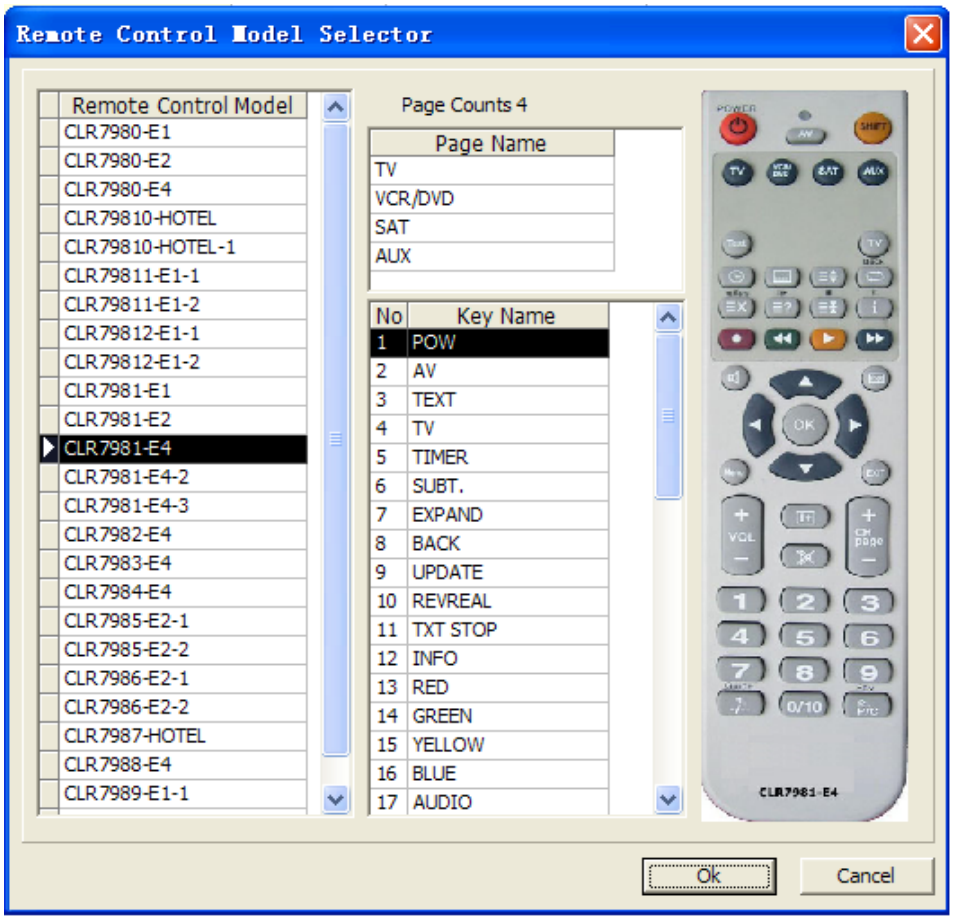
For V3 version, after identify, the photo and model of the programmable remote control isn't changed, the content of the programmable remote control will be read back and displayed in the software as above photo, including code number, and key code info.

For V4 version, after identify, the photo and model of the programmable remote control will be identified to correct model and photo, the content of the programmable remote control will be read back and displayed in the software as above photo.

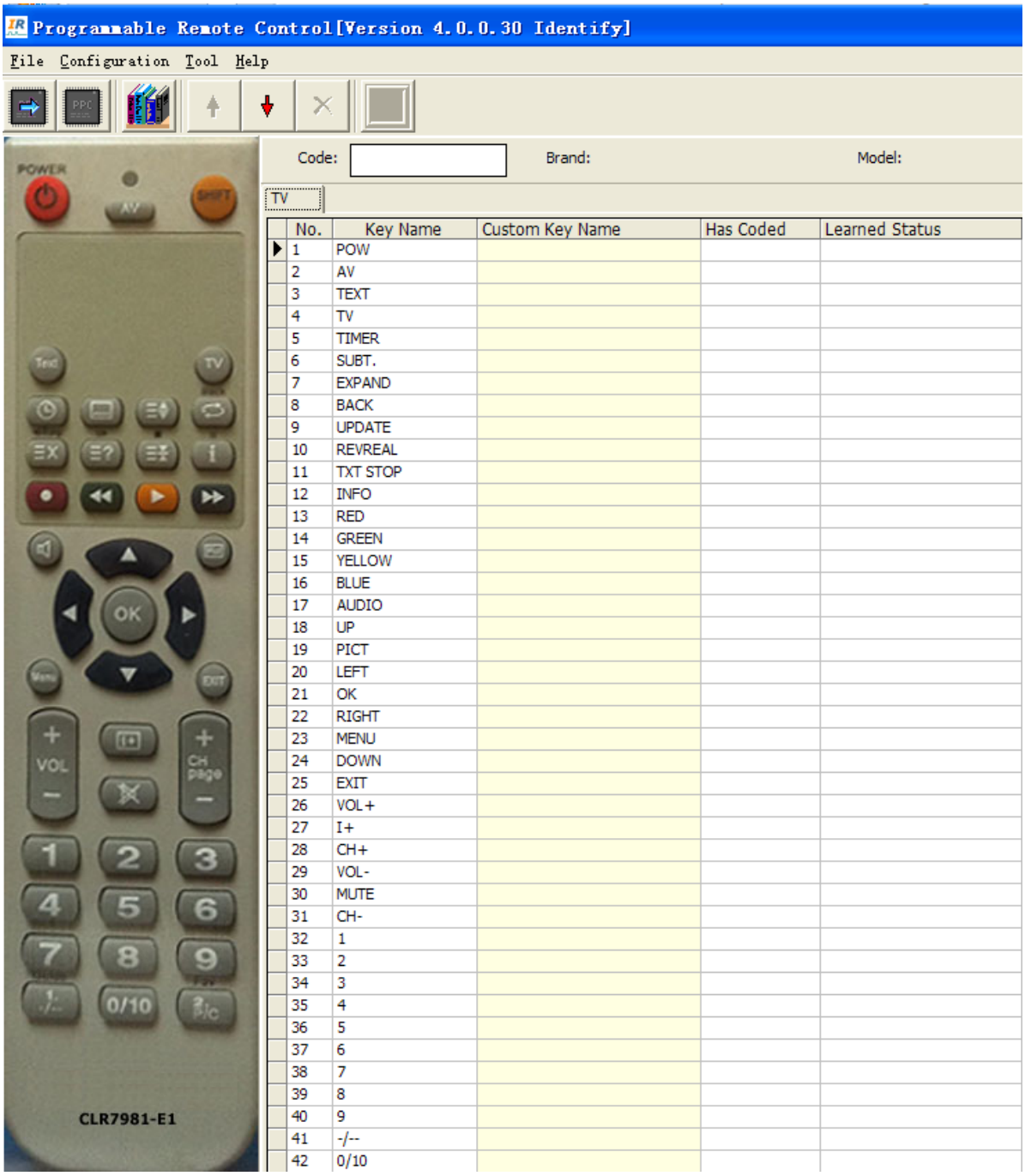
6,Code Program

1) Before program, it should be selected the model of programmable remote control. For V3 version, it has to be selected by hand. Please see below photo.



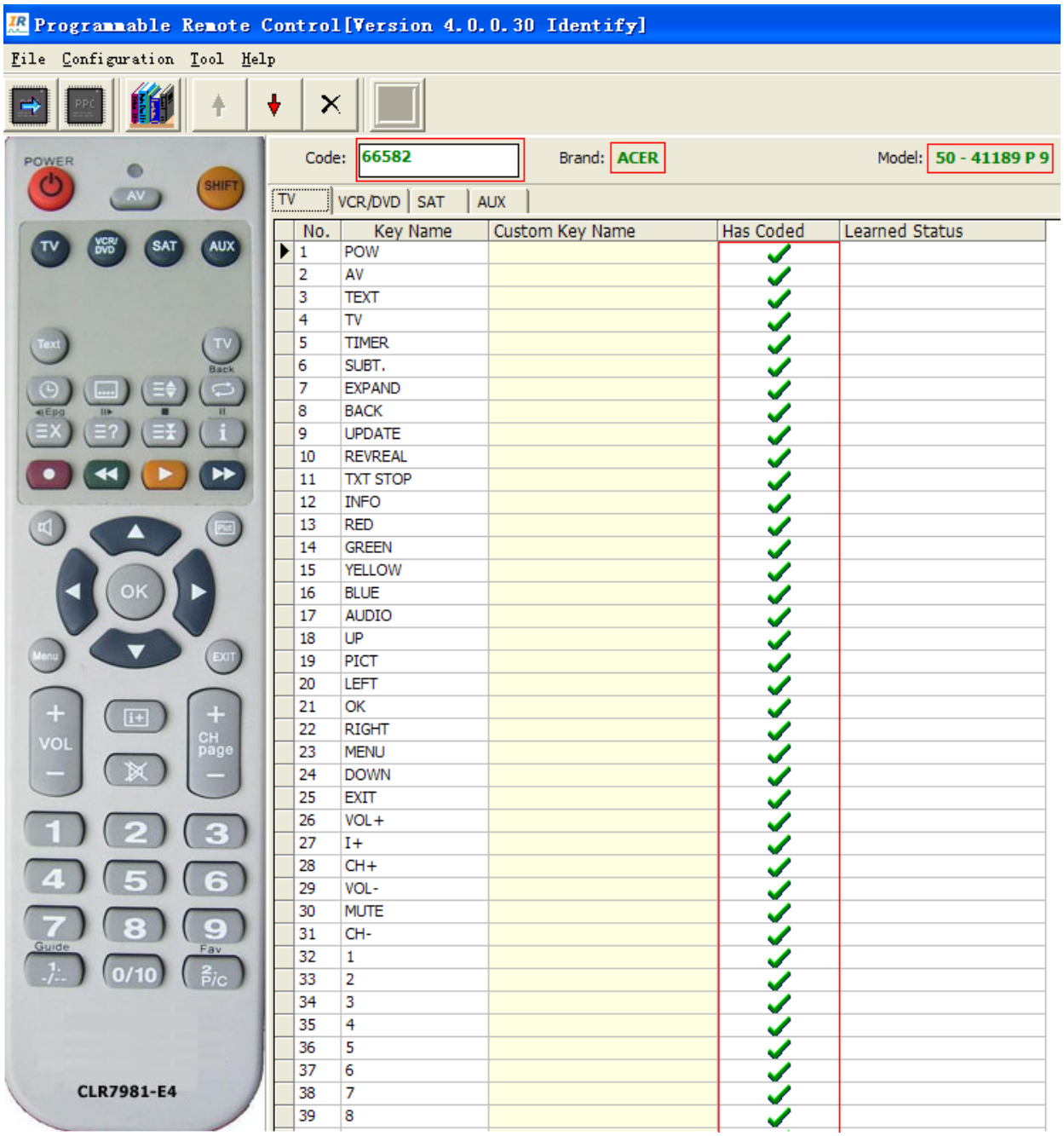


For V4 version, it can be identified by software and adjusted to correct model and photo. Please see below photo.



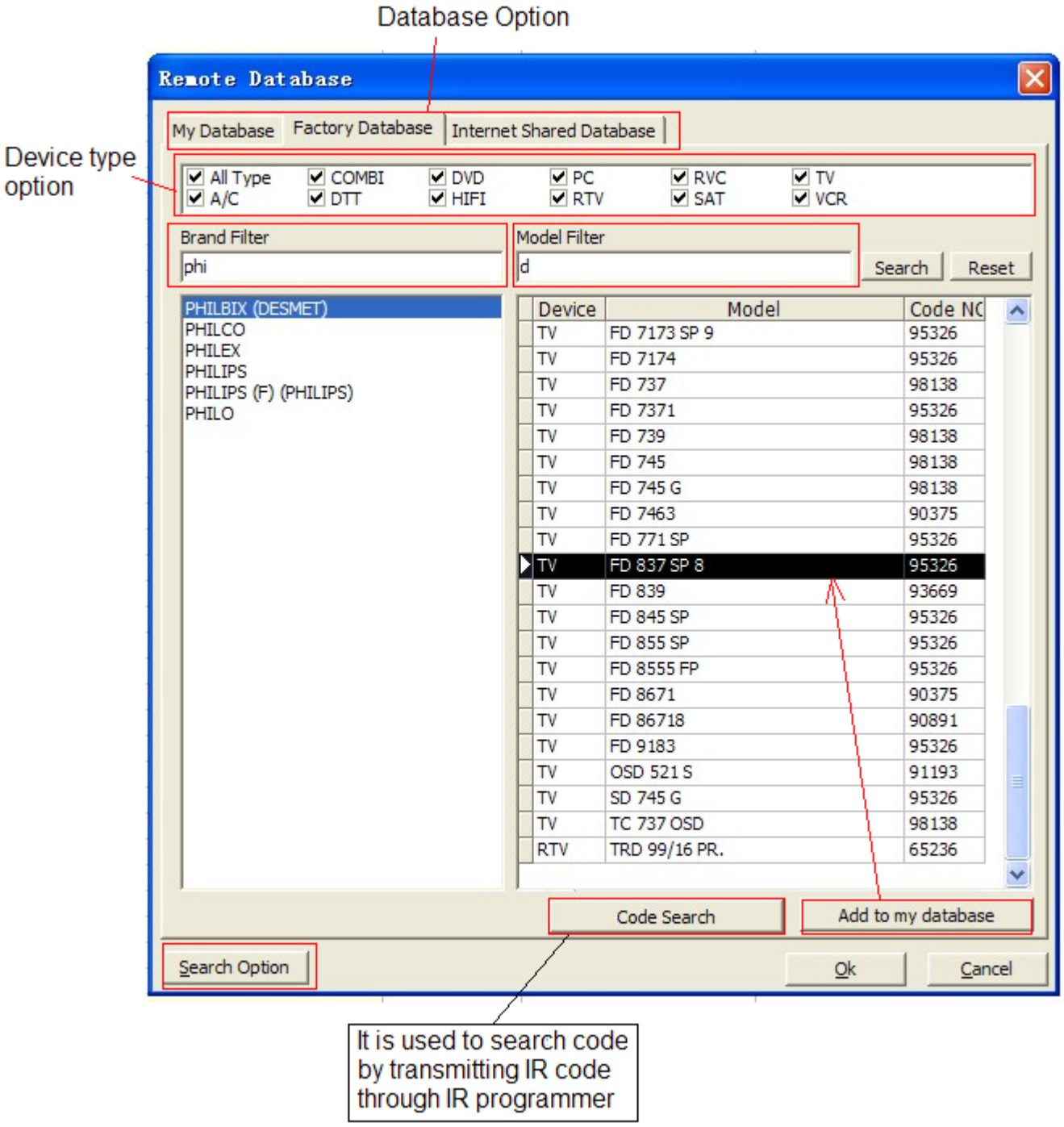
No.	Key Name	Custom Key Name	Has Coded	Learned Status
1	POW			
2	AV			
3	TEXT			
4	TV			
5	TIMER			
6	SUBT.			
7	EXPAND			
8	BACK			
9	UPDATE			
10	REVREAL			
11	TXT STOP			
12	INFO			
13	RED			
14	GREEN			
15	YELLOW			
16	BLUE			
17	AUDIO			
18	UP			
19	PICT			
20	LEFT			
21	OK			
22	RIGHT			
23	MENU			
24	DOWN			
25	EXIT			
26	VOL+			
27	I+			
28	CH+			
29	VOL-			
30	MUTE			
31	CH-			
32	1			
33	2			
34	3			
35	4			
36	5			
37	6			
38	7			
39	8			
40	9			
41	-/--			
42	0/10			

This is the first display, remote control model is CLR7981-E1, if using CLR7981-E4, after identify, it will display below photo.

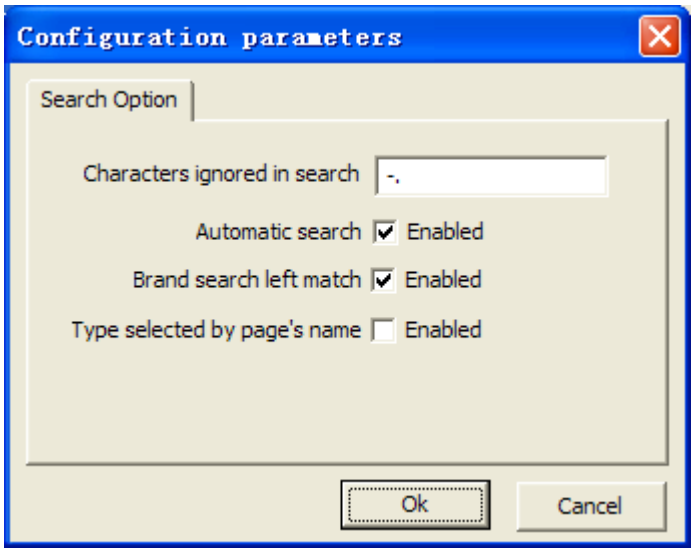

Programmable Remote Control[Version 4.0.0.30 Identify]
File Configuration Tool Help
Code: 66582
Brand: ACER
Model: 50 - 41189 P 9
TV
VCR/DVD
SAT
AUX
No. Key Name Custom Key Name Has Coded Learned Status
1 POW
2 AV
3 TEXT
4 TV
5 TIMER
6 SUBT.
7 EXPAND
8 BACK
9 UPDATE
10 REVREAL
11 TXT STOP
12 INFO
13 RED
14 GREEN
15 YELLOW
16 BLUE
17 AUDIO
18 UP
19 PICT
20 LEFT
21 OK
22 RIGHT
23 MENU
24 DOWN
25 EXIT
26 VOL+
27 I+
28 CH+
29 VOL-
30 MUTE
31 CH-
32 1
33 2
34 3
35 4
36 5
37 6
38 7
39 8
CLR7981-E4

2) Search and select code in database

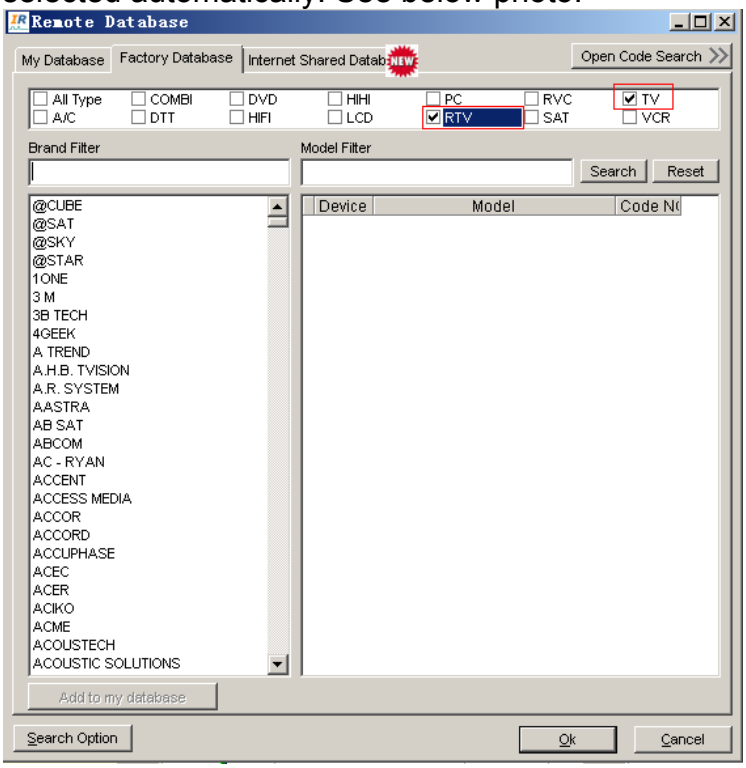
A) Please see photo 1 and find "Database" menu button, after pressing "Database" button, it appears below photo.



(1) My Database, Factory Database, Internet Shared Database
(2) Device type option
(3) Brand Filter, Model Filter,
The search result is different according to "Search Option".
(4) Search Option



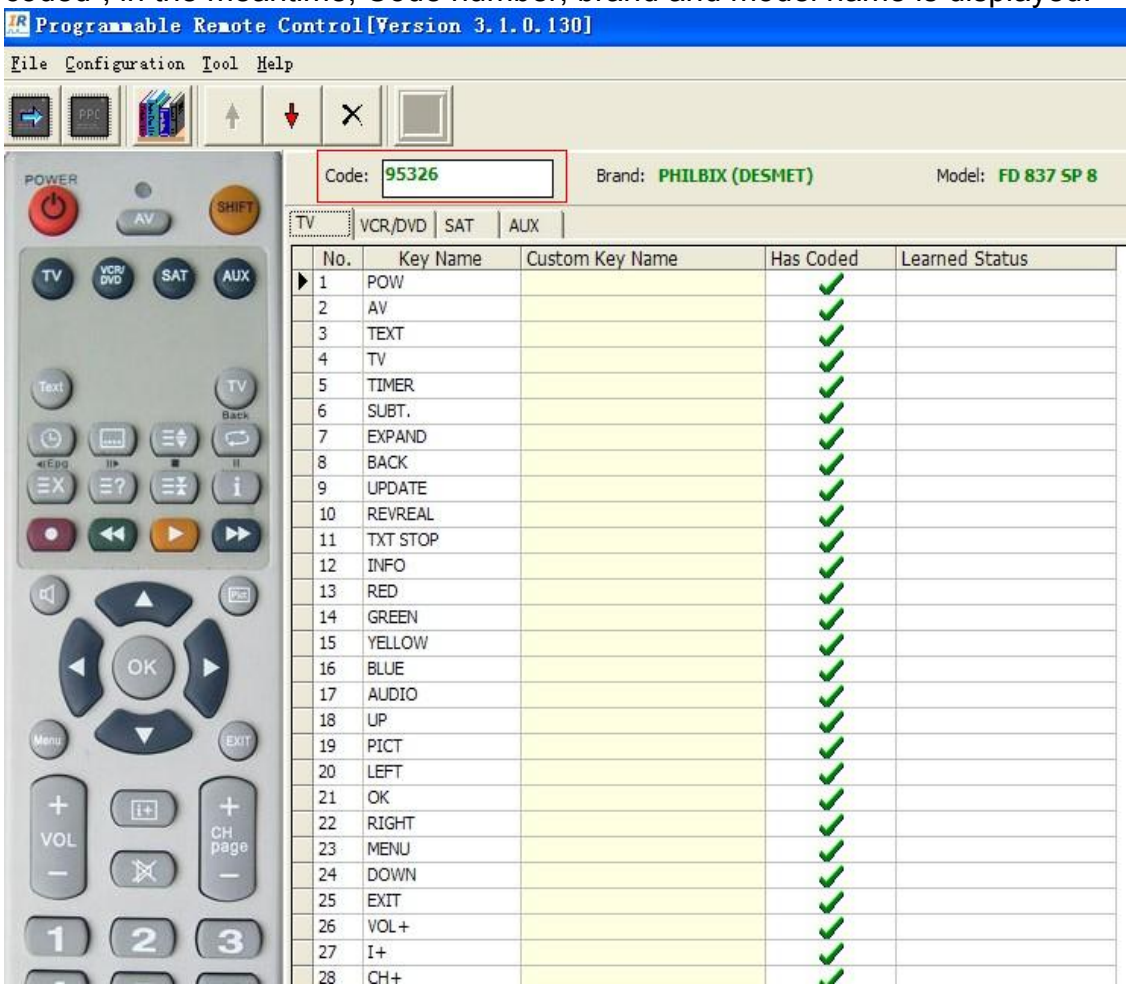
------Characters ignored in search, this is for Brand filter and Model Filter.
------Automatic search means the result will change according to the characters entered if "enabled".
------Brand search left match, means it is only searched from prefix if "enabled". If "enabled" is not selected, the entered characters will be searched anywhere.
------Type selected by page's name, used for programmable remote control. Its model is searched under the device type in the main screen.
For example, select TV device page in main screen, if this option is enabled, the model is only searched in TV device type. In "Device type" window, only "TV" "RTV" are selected automatically. See below photo.



3) Code Search
Please see Item 9, "Code Search".
A) Add to my database

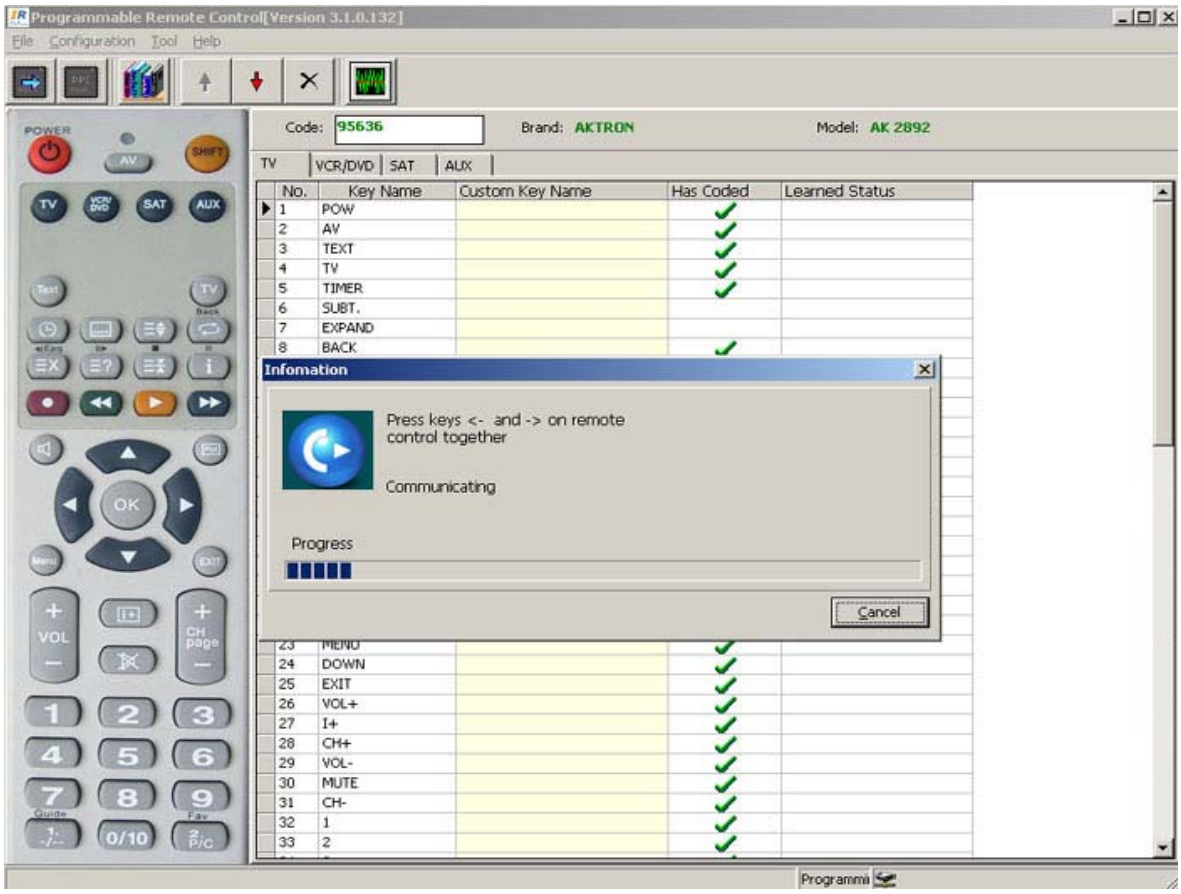
Please refer to Item 8, "Manage database".

B) Once one of code is selected, you can press OK, then it will appear in the list of "Has coded", in the meantime, Code number, brand and model name is displayed.



Then select one code for each device bank as shown above, TV, VCR/DVD, SAT and AUX.

C) Program (write)



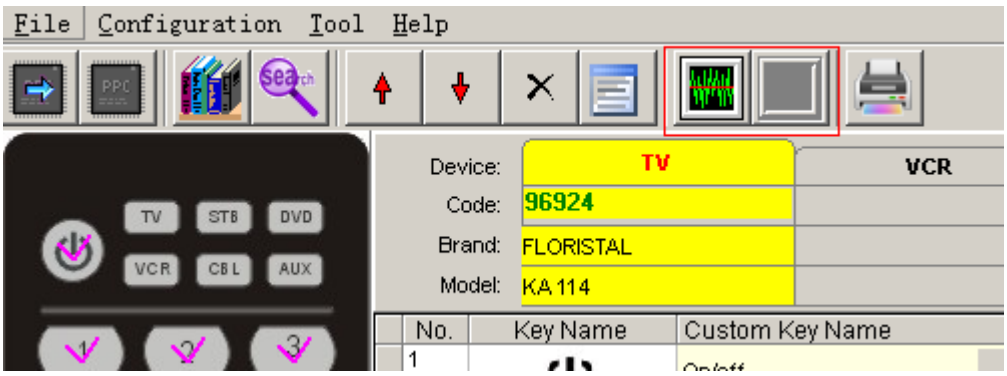
After all codes are decided, press "Program" menu button, place remote toward the programmer head to head, press "left" and "right" button simultaneously, then appear above photo. After it finishes, program (write) succeeds.

4) Search by code number

If you remember the code number, you enter the code number, the code will appear in the table immediately.

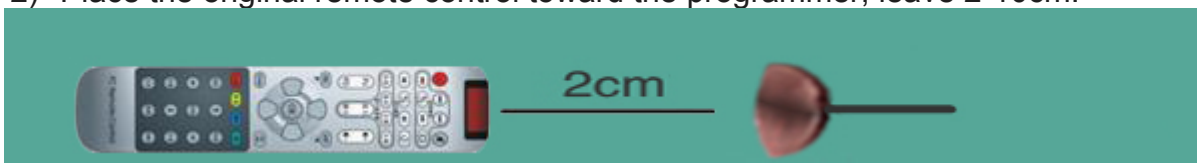
7, Code Learn

1) Press the learning button in software as below.



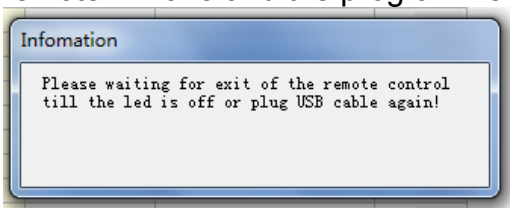
Note: For the programmer model CLR7108 and CLR7109, There are 2 learning buttons, the left one is "near learning mode", the right one is "far learning mode". But for USB remote control, it is available for "near learning mode" only.

2) Place the original remote control toward the programmer, leave 2-10cm.

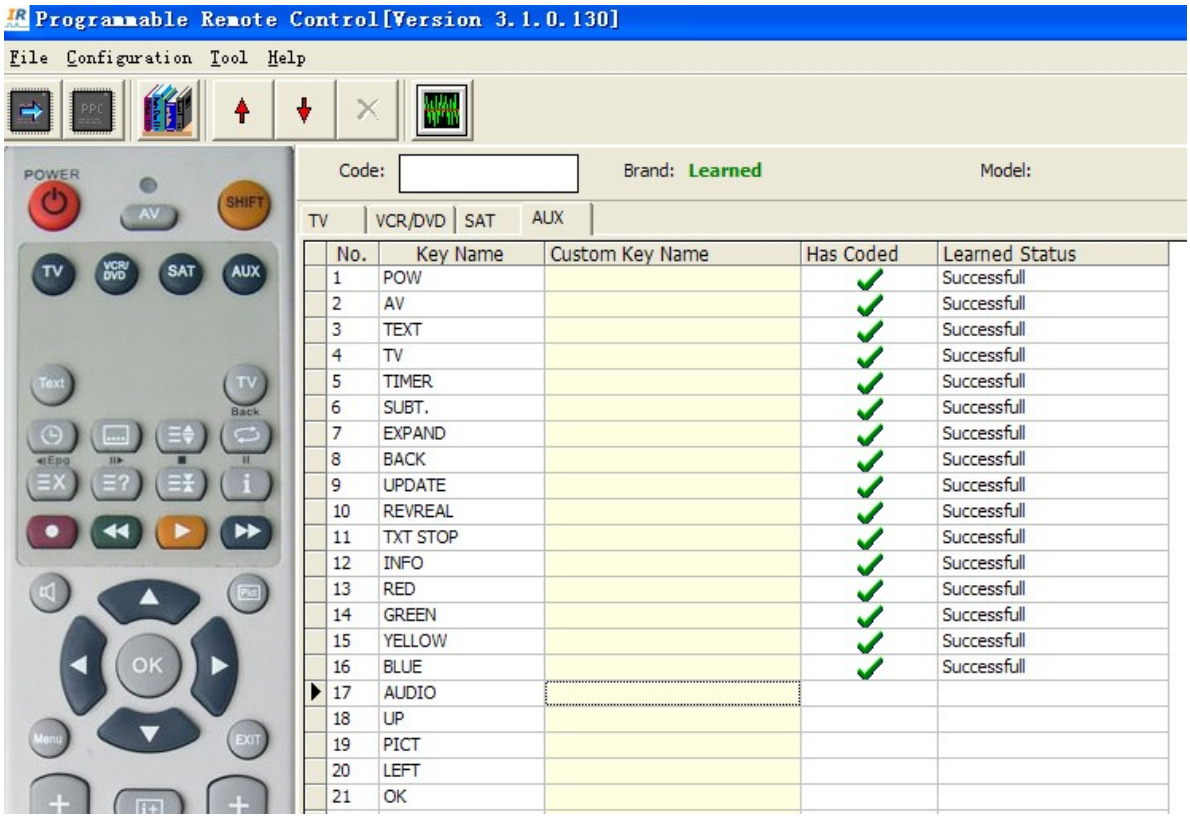


3) Then, place the cursor to the key line you want to learn, then press key. PC receives the IR signal and will display the status of learning result.

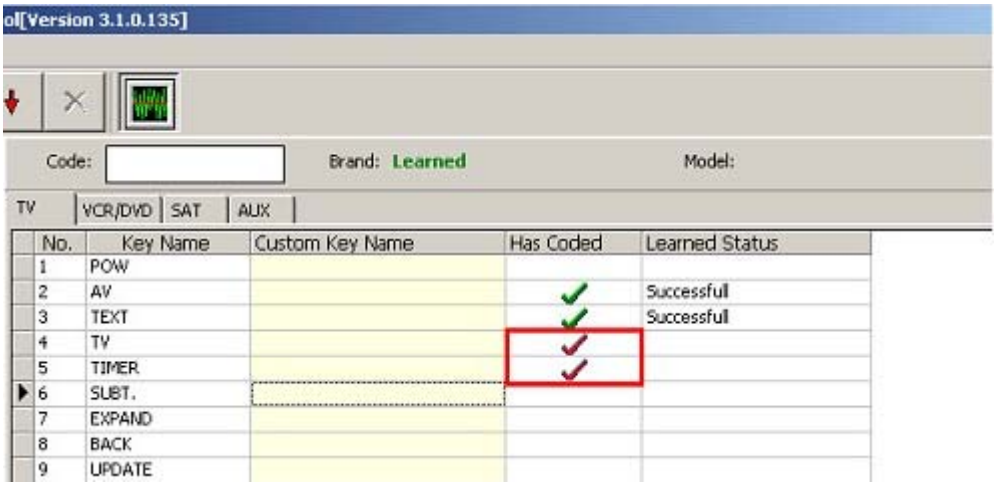
4) Exit learning mode: Press again, if it popup a message window as below. (For old models of USB remote before 2012 and the models of CLR7088, CLR7089, CLR7090,CLR7098, CLR7099) . Below window is not available for new model of USB remote in 2013 and the programmer models of CLR7108, CLR7109.



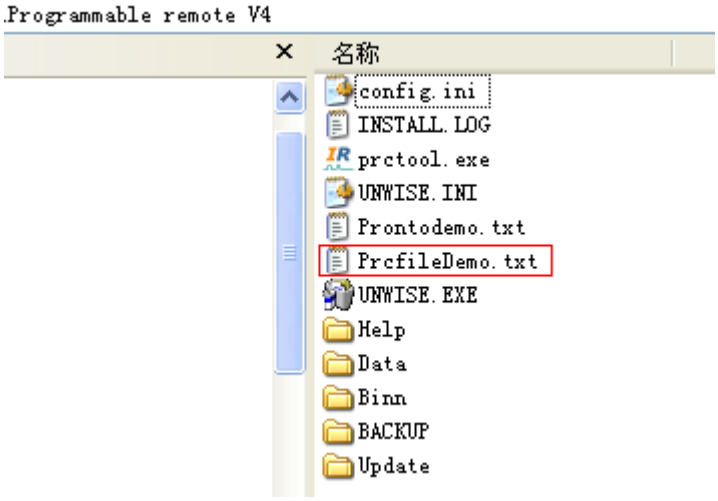
Please click any button of USB remote control for one time, this window will disappear. For old programmer before 2013, please unplug and plug USB cable again.



If learning result display below photo, red rectangle, it means the learning is not successful but some of it still can be programmed.



The learning result can be output to hard disk. Let us see the sample result in install directory ..\Programmable remote V3 or ..\Programmable remote V4,



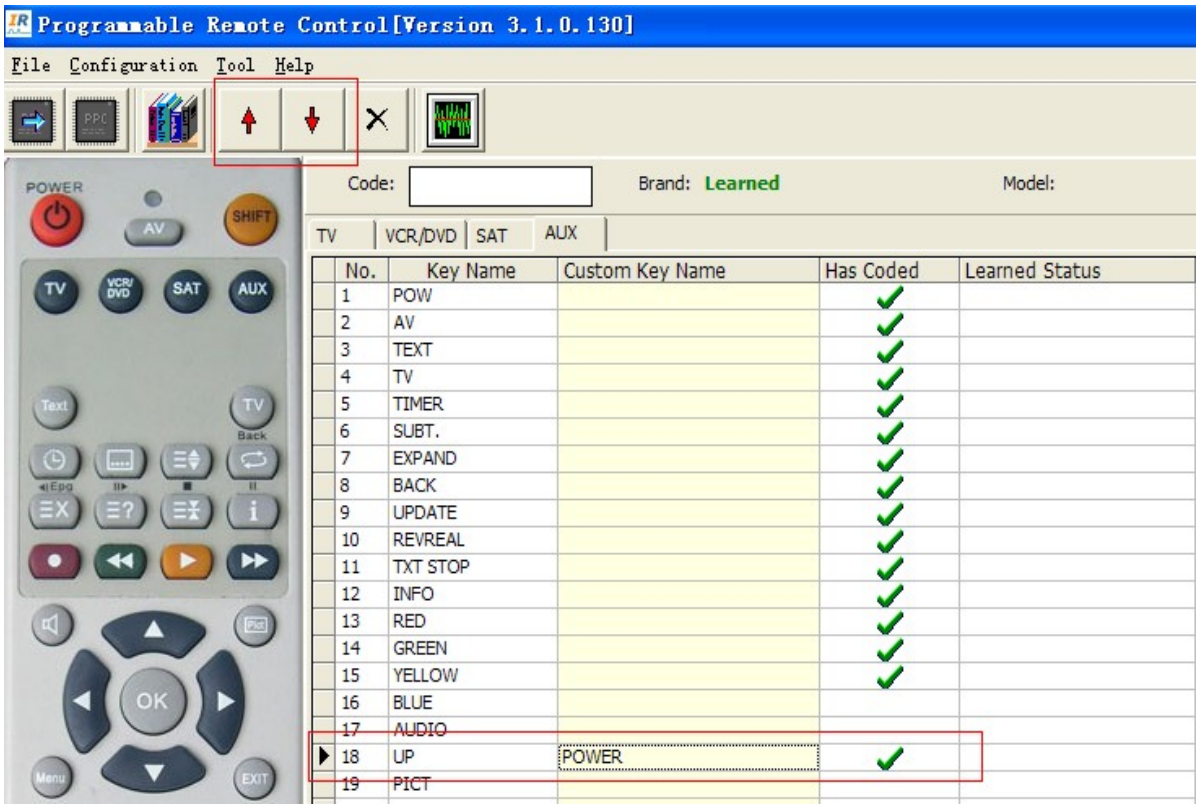
Open it, its content is as below photo.

```
FileFormat=PRCTOOL
Remote control descripe=:
  Device=PC
  Brand=UnkownBrand
  Model=33

 Button's counts=4
 0,POW=0031 47 0
 6,1=0040 47 8
 7,2=0040 47 10
 8,3=A881 001E 0022 0000 00FF 000709 0135 0002EA
 0135 0002EA 0135 0002EA 00FF 000709 0135 0002EA
 0135 0002EA 00FF 000709 0135 0002EA 0135 0002EA
 00FF 000709 00FF 000709 0135 0002EA 0135 0002EA
 0138 00548A 00FF 000709 00FF 000709 00FF 000709
 0135 0002EA 0135 0002EA 0135 0002EA 00FF 000709
 0135 0002EA 0135 0002EA 00FF 000709 0135 0002EA
 0135 0002EA 00FF 000709 00FF 000709 0135 0002EA
 0135 0002EA 0138 00548A
 14,7=0040 47 30
```

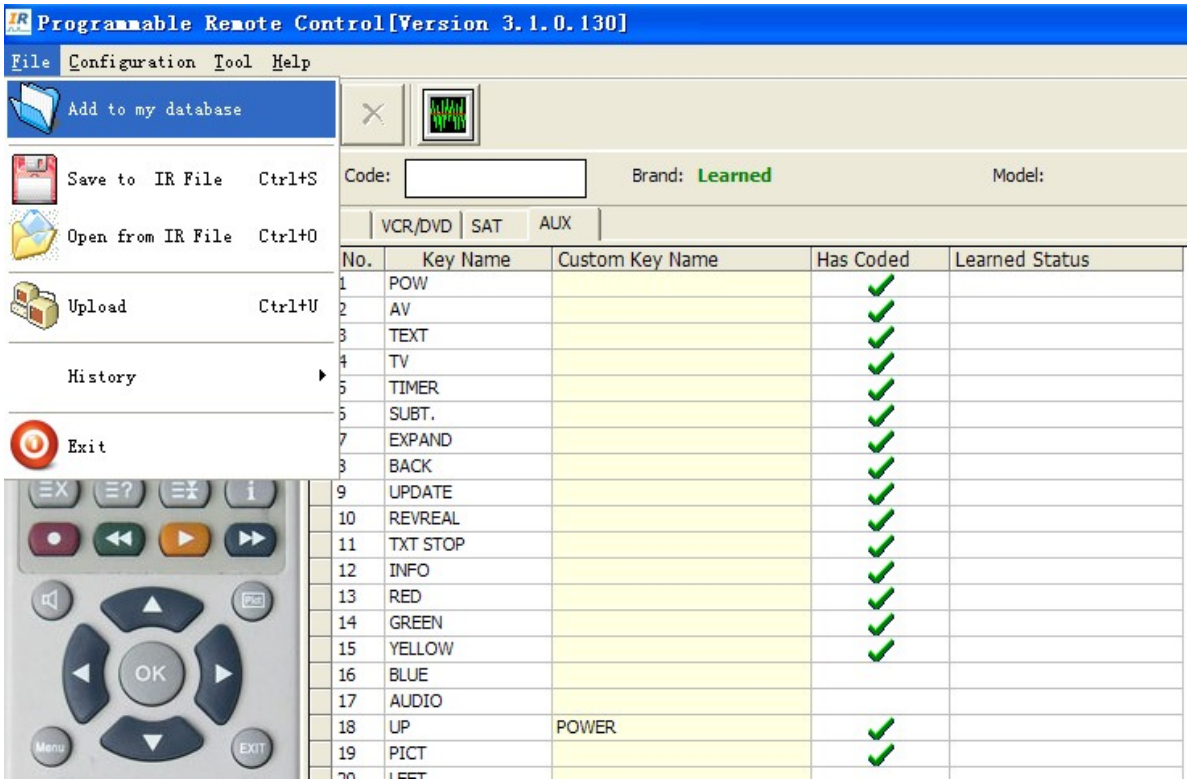
This result in rectangle is a kind of IR wave data, which should be processed then can be programmed into USB remote control. For more detail, please browse supplier's website or remote control data centre.

(1) Key code adjust

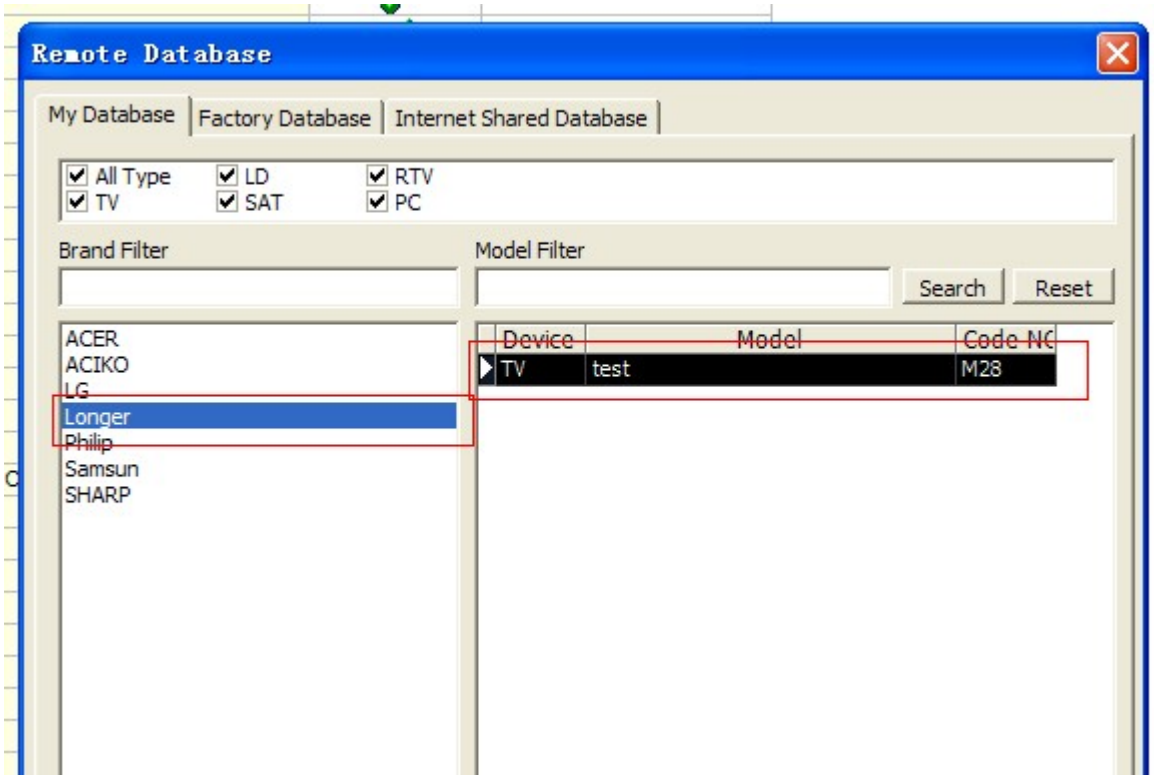


You can add or edit a custom key name, then press "up" and "down" arrow button, which means you adjust the code position.

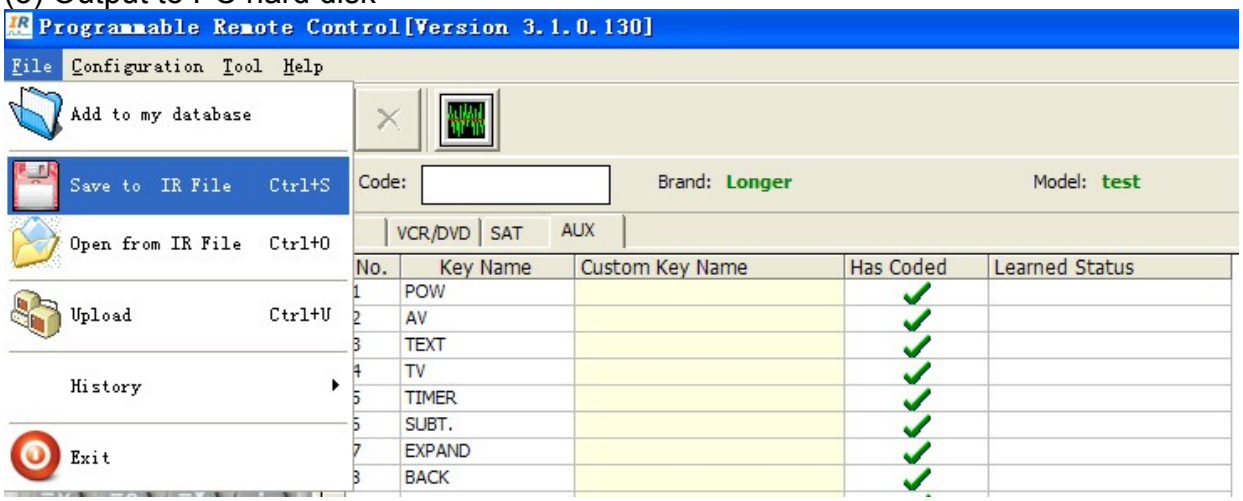
(2) Store to my database

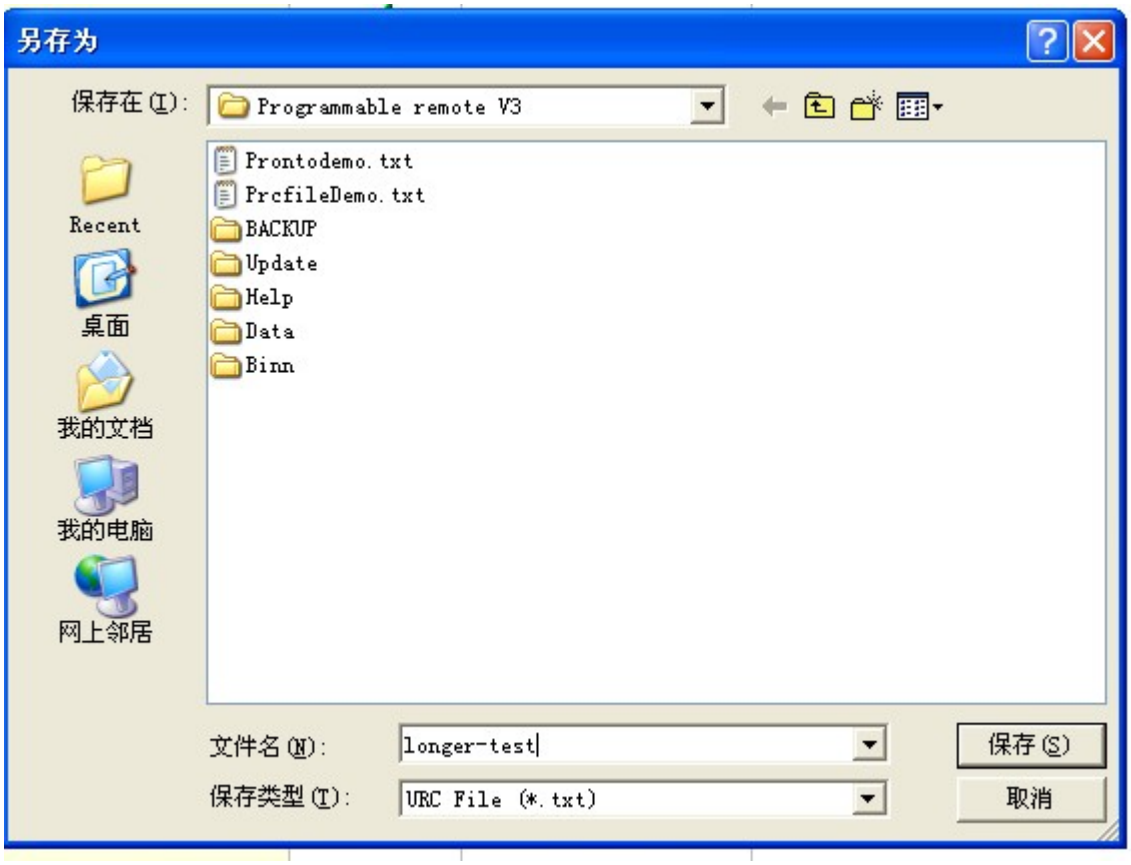


Then, we can find this code record in "My database" as below.

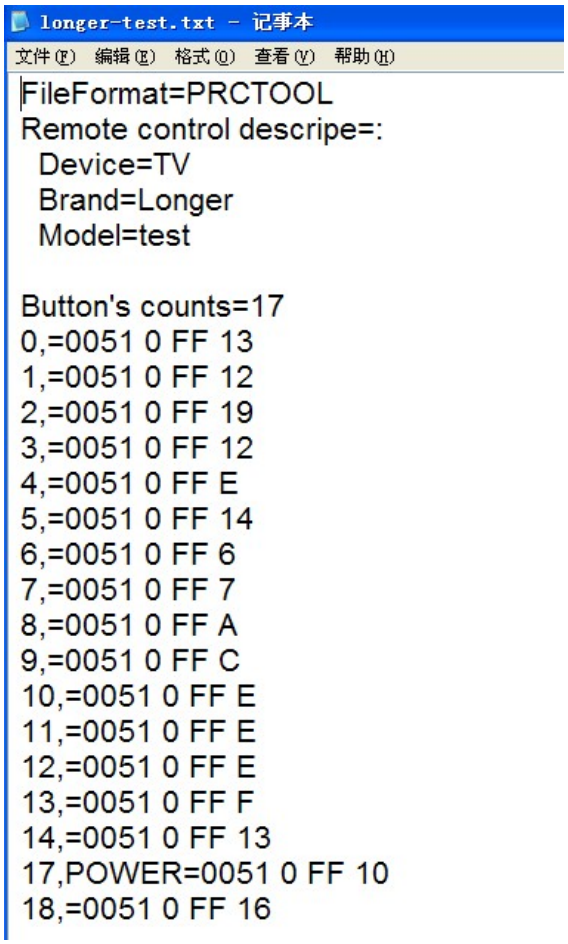


(3) Output to PC hard disk





Then you can find the Longer-test.txt file in hard disk. Let's open this txt file, we can see as below.


longer-test.txt - 记事本

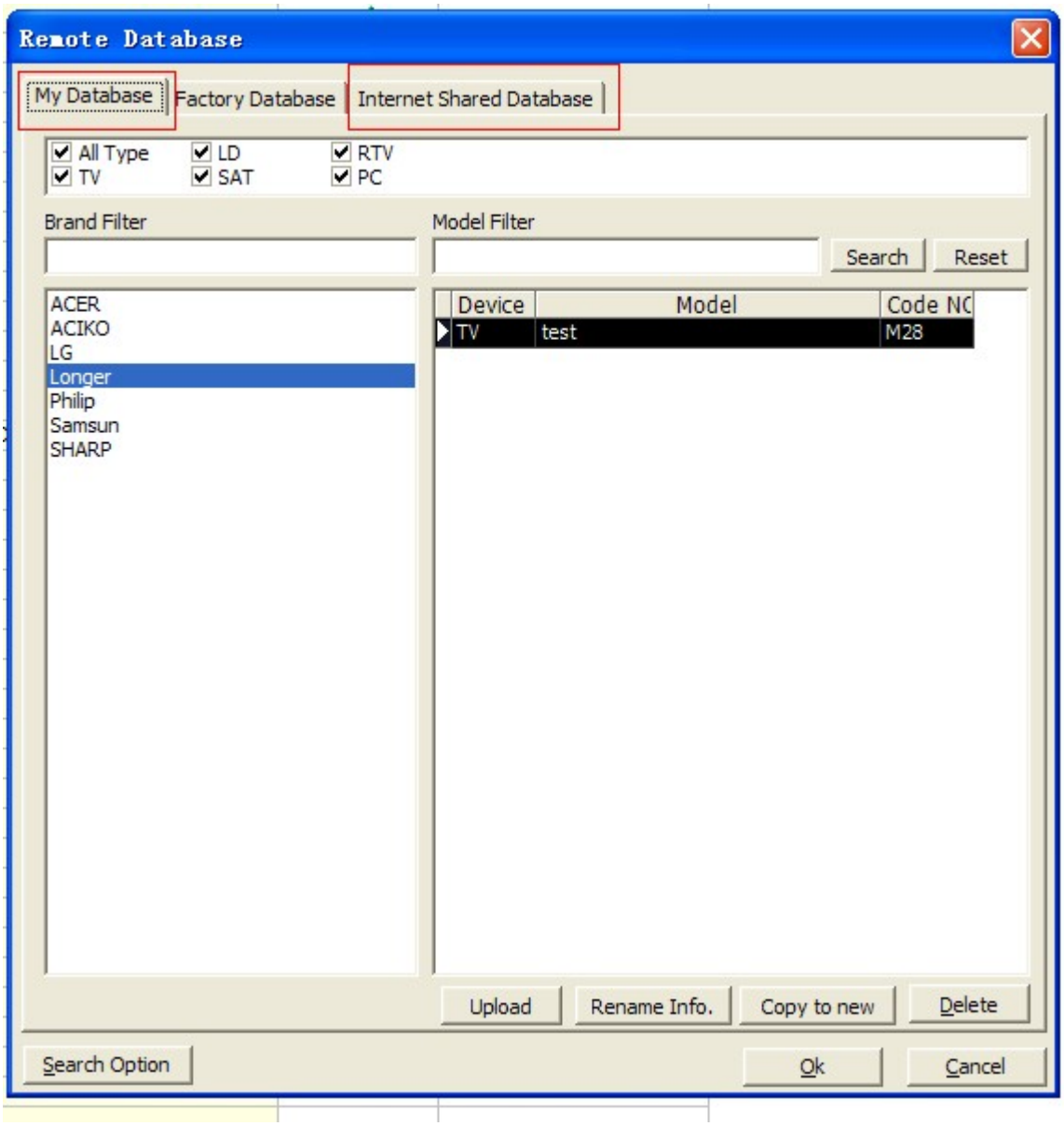
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

```
FileFormat=PRCTOOL
Remote control descripe=:
  Device=TV
  Brand=Longer
  Model=test

Button's counts=17
0,=0051 0 FF 13
1,=0051 0 FF 12
2,=0051 0 FF 19
3,=0051 0 FF 12
4,=0051 0 FF E
5,=0051 0 FF 14
6,=0051 0 FF 6
7,=0051 0 FF 7
8,=0051 0 FF A
9,=0051 0 FF C
10,=0051 0 FF E
11,=0051 0 FF E
12,=0051 0 FF E
13,=0051 0 FF F
14,=0051 0 FF 13
17,POWER=0051 0 FF 10
18,=0051 0 FF 16
```

8, Manage database

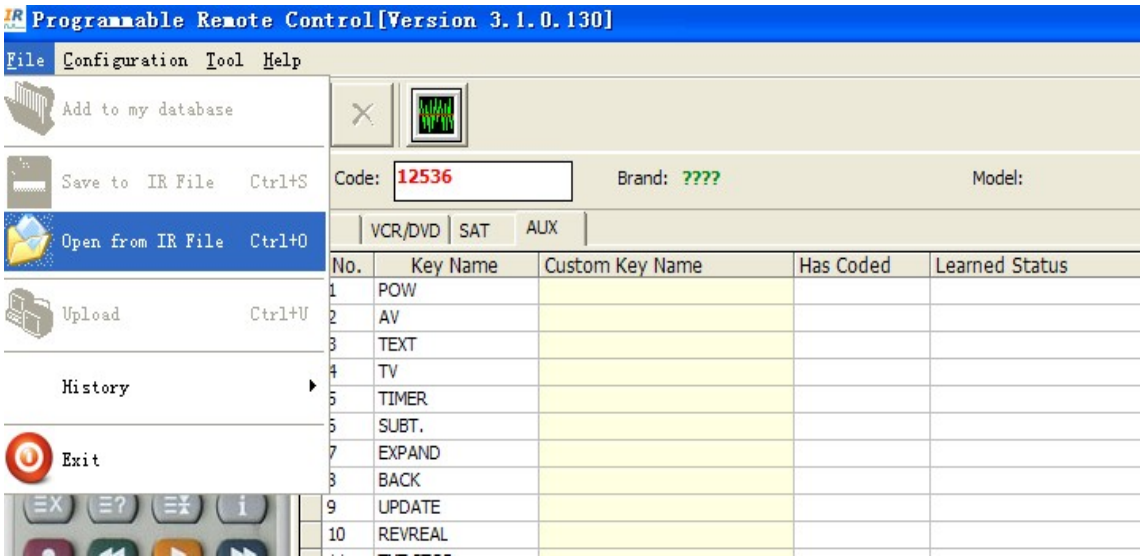
1) The code info in "My Database" and "Internet Shared Database" can be added, deleted, and imported/outputted. It lets the user to setup own database.

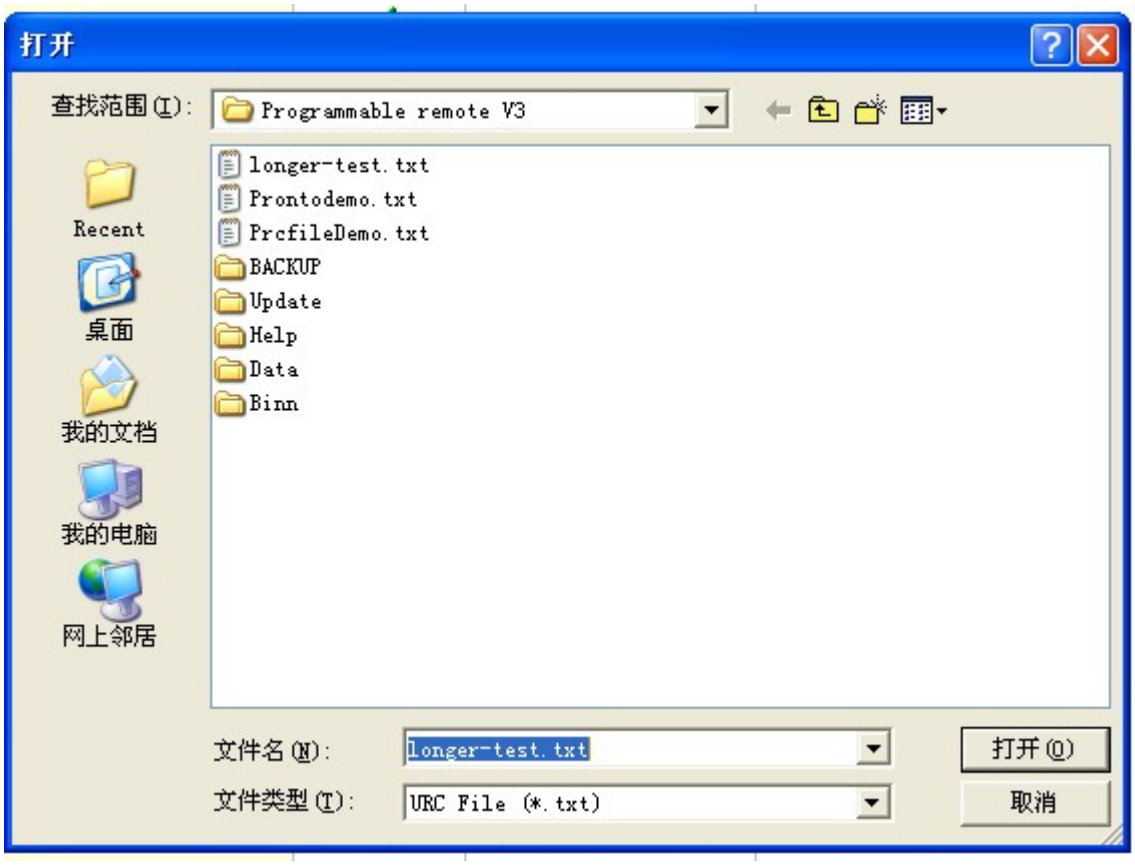


2) My database

2.1) New code in my database can be imported from PC file, "Factory Database", "Internet shared database" and learning code.

A. Open from IR file





B. Add to my database from "Factory Database", "Internet Shared Database" and learning code
C. Code learn

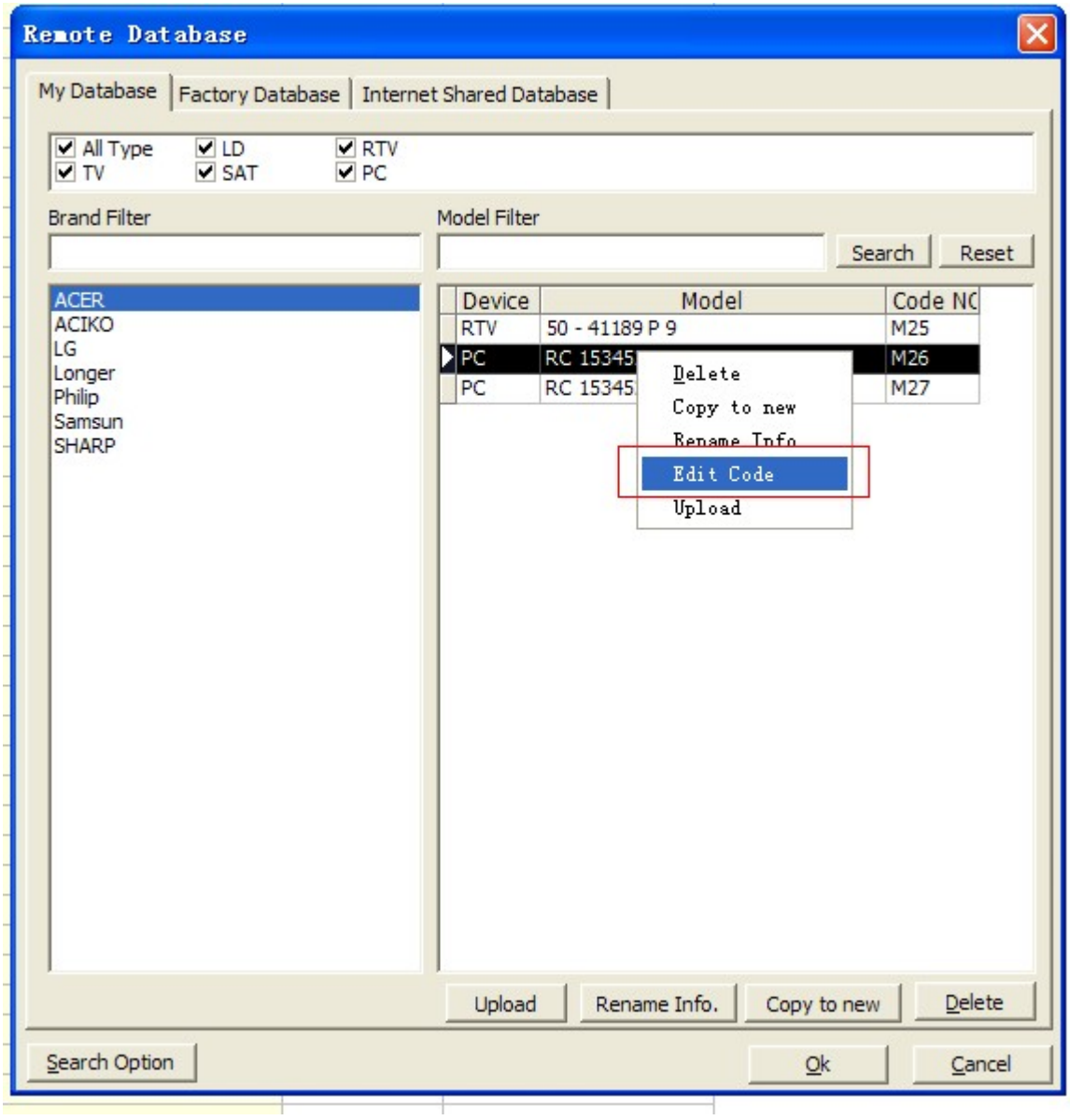
Refer to item 7 "Code Learn" to learn how to get a code by learning.

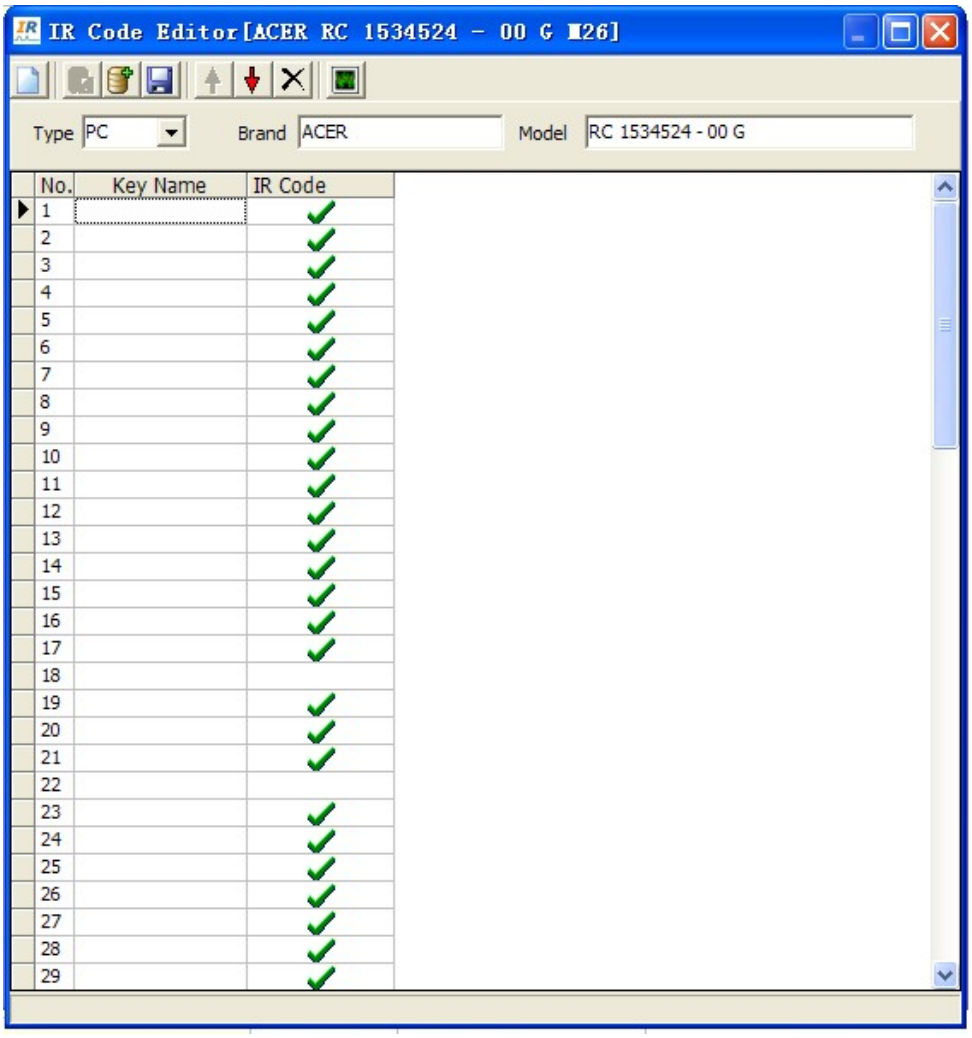
2.2) Edit the code in "My Database"

Select one code as below photo, click right button of Mouse, it appears below option.

A. Delete

B. Copy to new
C. Rename Info
D. Edit Code
E. Upload

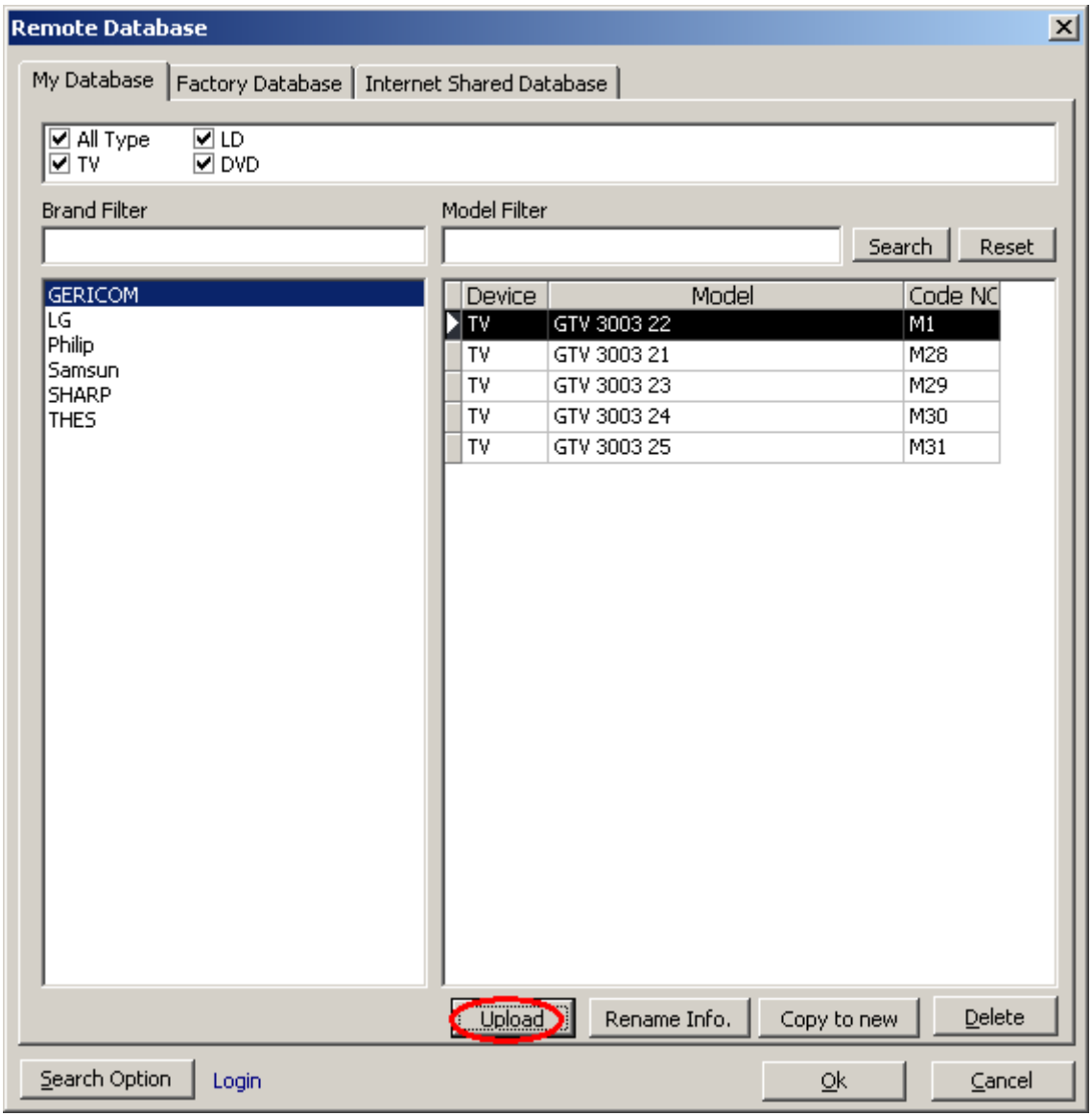


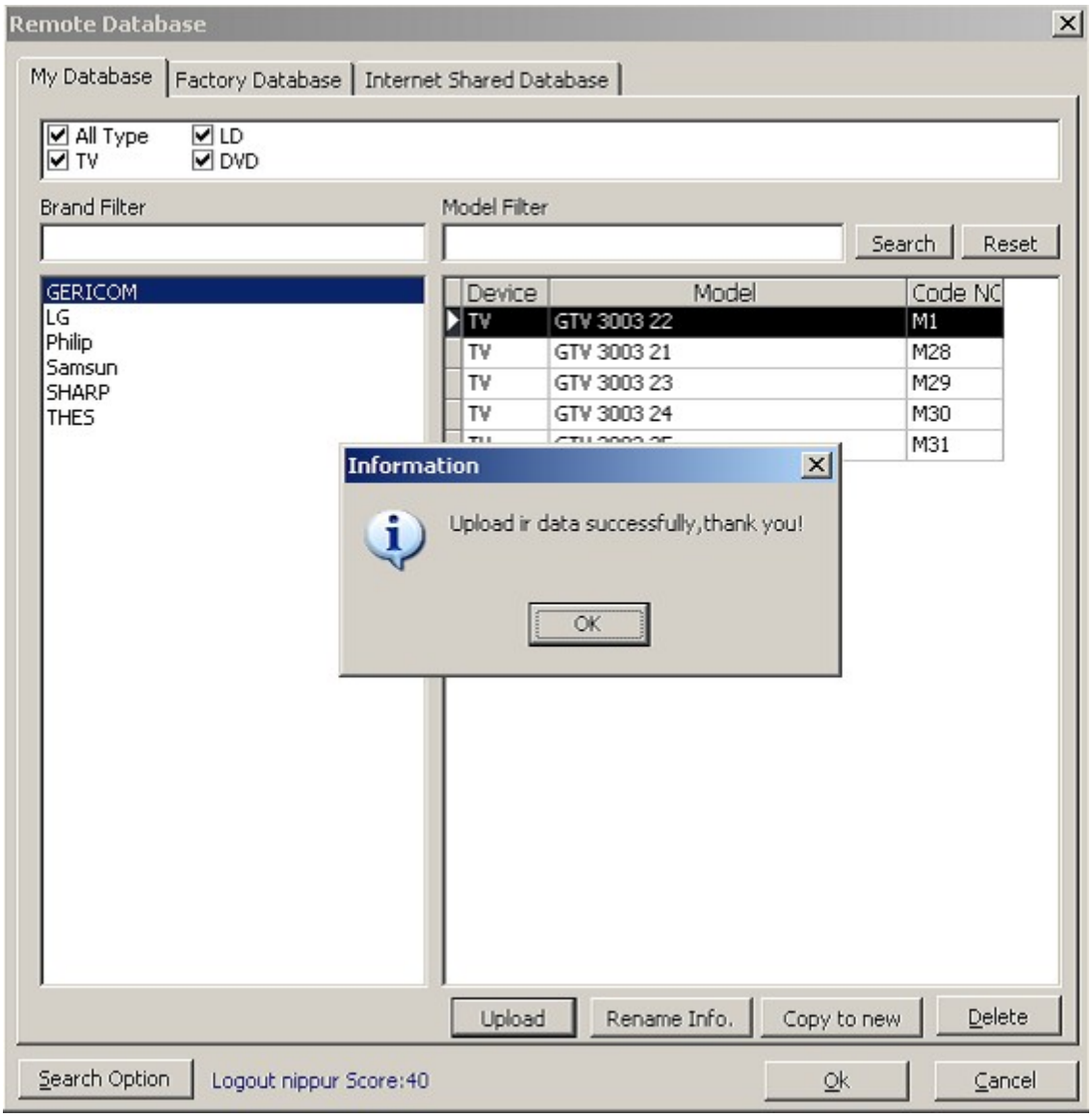


There are below functions to edit code.

A. Save into my database
B. add to my database
C. save to IR file
D. adjust up
E. adjust down
F. delete
G. Learning

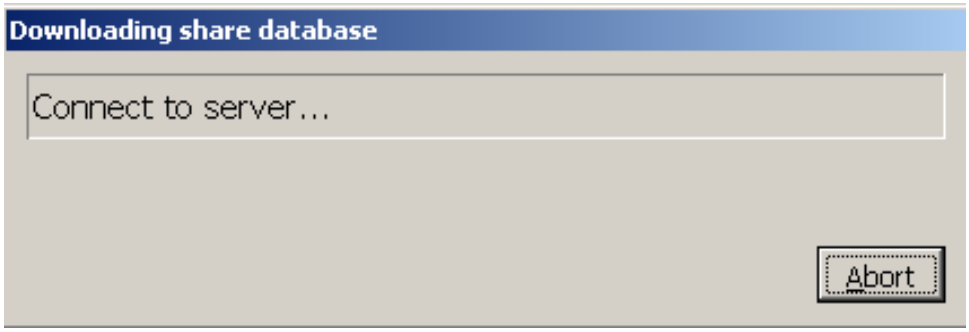
3) Internet Shared Database
In My database, any code can be uploaded to server.


Remote Database
My Database
Factory Database
Internet Shared Database
All Type
LD
TV
DVD
Brand Filter
Model Filter
Search
Reset
GERICOM
LG
Philip
Samsun
SHARP
THES
Device
Model
Code NC
TV
GTV 3003 22
M1
TV
GTV 3003 21
M28
TV
GTV 3003 23
M29
TV
GTV 3003 24
M30
TV
GTV 3003 25
M31
Upload
Rename Info.
Copy to new
Delete
Search Option
Login
Ok
Cancel

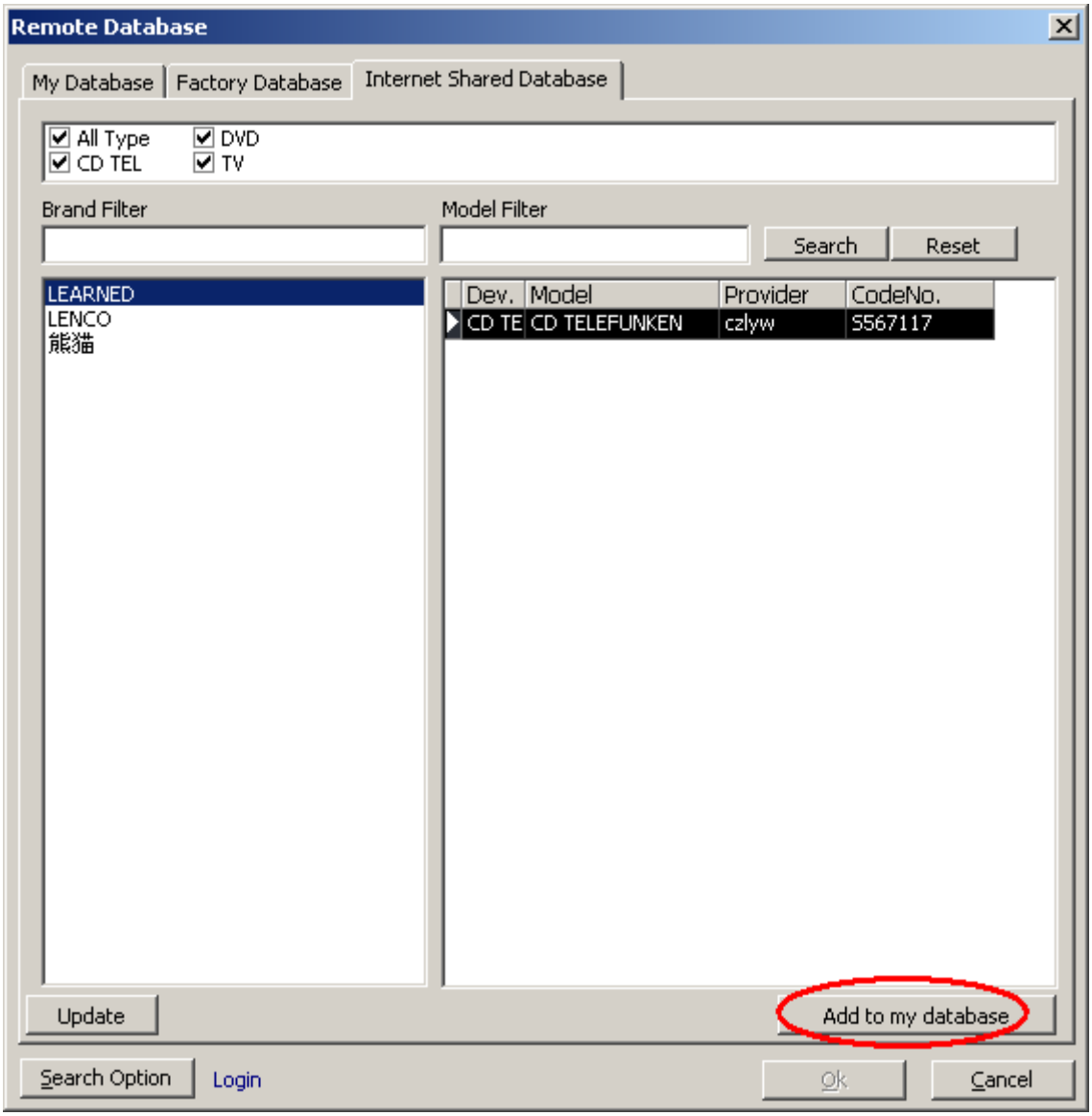


After uploading the IR code, it will be shown in "Internet shared database". In the meantime, it will appear in the upload database of website www.clurc.net.

When the "Internet shared database" is opened each time, software will try to connect to web server.



After connecting the server, then the new code info in the web server will be displayed in the software. But it can't be used to program directly. You have to "Add to my database", and then it can be used to program.



9, Code search

If you only know device type (TV, DVD ...), don't know brand name, model name, you can use this function to search the code. When you meet a device, you are not able to find its remote or replacement, please try this function.

The IR programmer (Model No. must be CLR7090 and CLR7108/CLR7109, but it is not CLR7088X) can be used to transmit IR codes to control device. Please see below photo which is used in PC-BASED remote control.

There are 3 kinds of code search function. Key code search, transmitting search and learning search.

1) Key code search

It can be used to search the database to match selected or assigned remote control. See photo below.

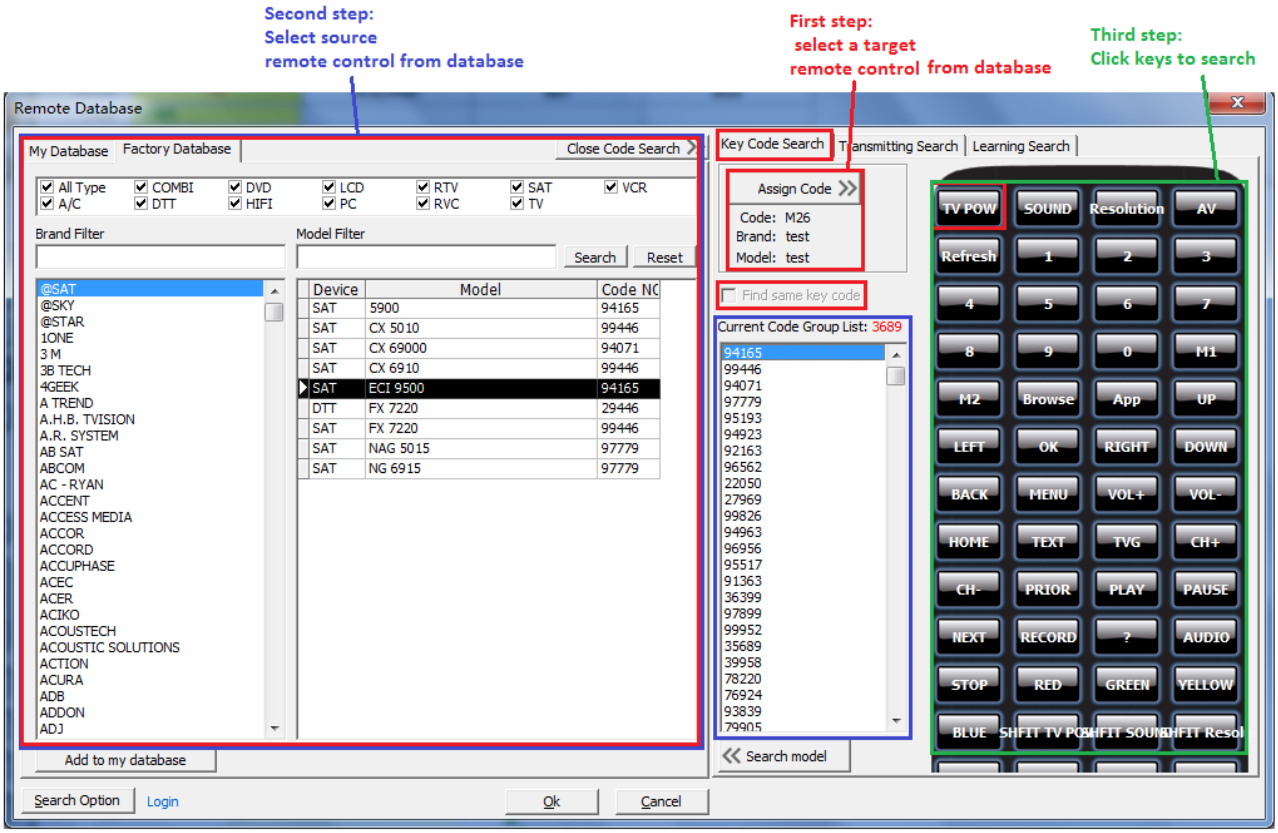
First step: select a target remote control from "my database" or "system database".

Then click "Assign code" to select this code to right remote control map.

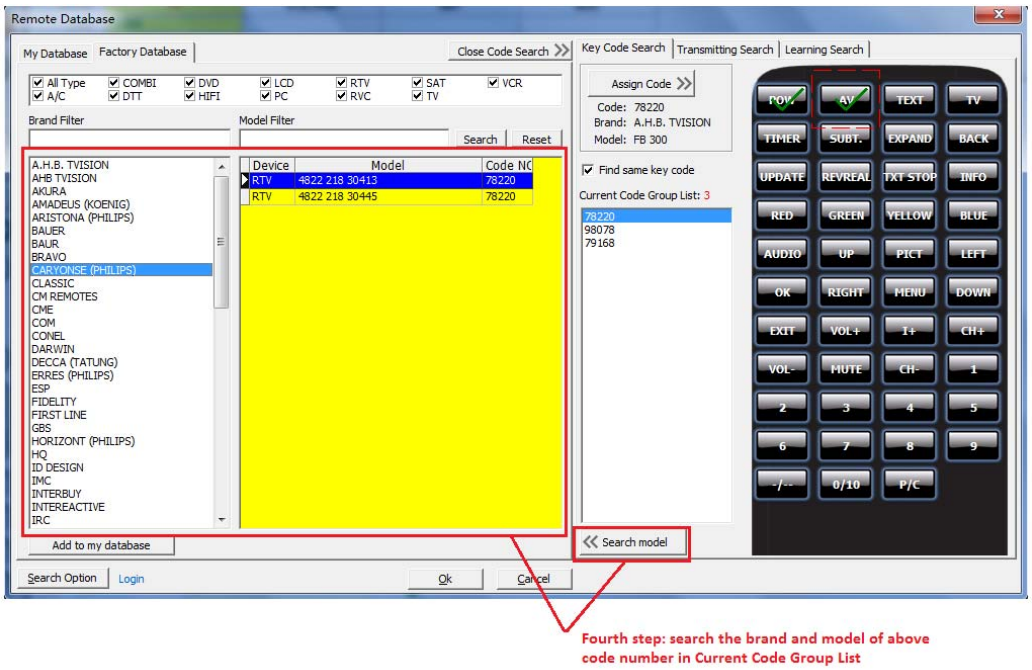
Second step: select source remote control range from "my database" or "system database". You can enter key words of brand or model to limit the range. After selecting, the searched key code number will appear in "Current Code Group List: ". The quantity display beside.

Third step: Click the key in right remote control map and double click to search the key to

match in the code range in " Current Code Group List ". The searching result also displayed in this list.

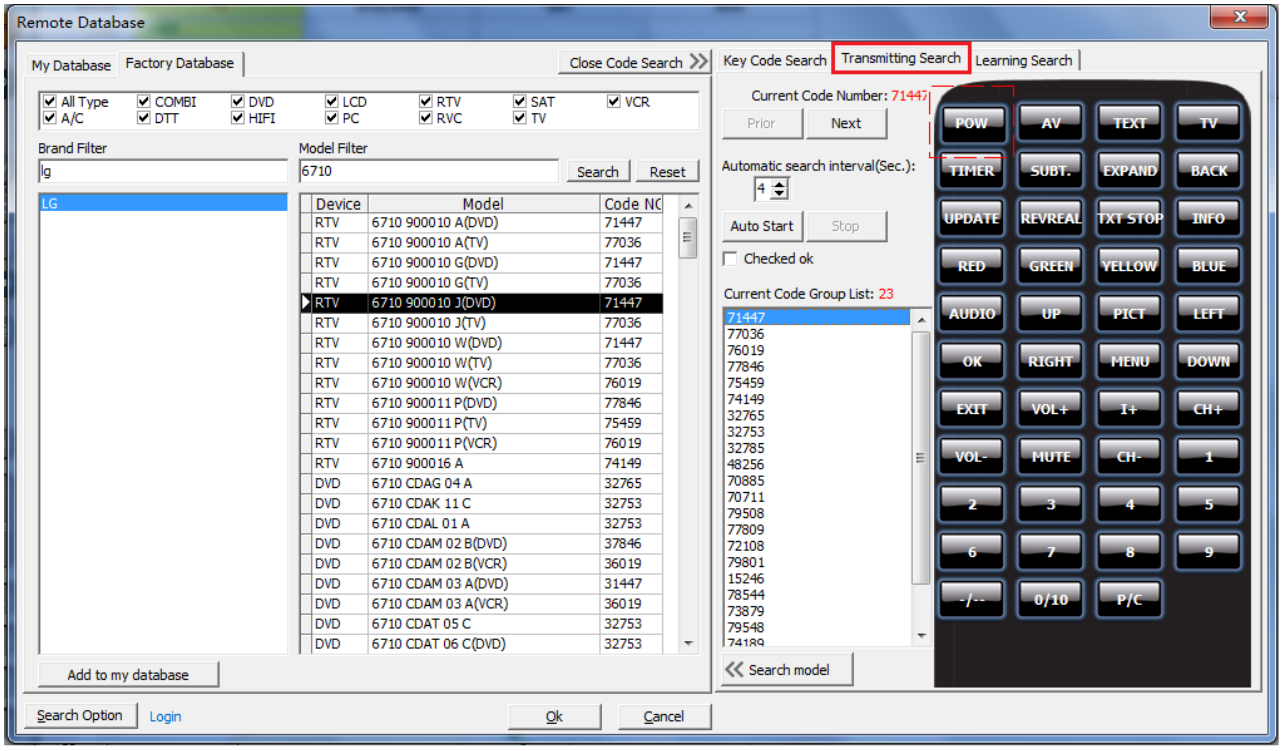


Fourth step: After finding the correct code by click to search key code, click "Search Model" to search brand and model which have same code number in "Current Code Group List".



2) Transmitting search

Search the code by transmitting key code in database from PC directly. See below photo.



First step: select the source remote control range. For example, enter "LG" brand and "6710" model key words. The result is listed. In the meantime, the code numbers of these remote control are listed in "Current Code Group List". The first code number of remote control key name is displayed in right remote control map.

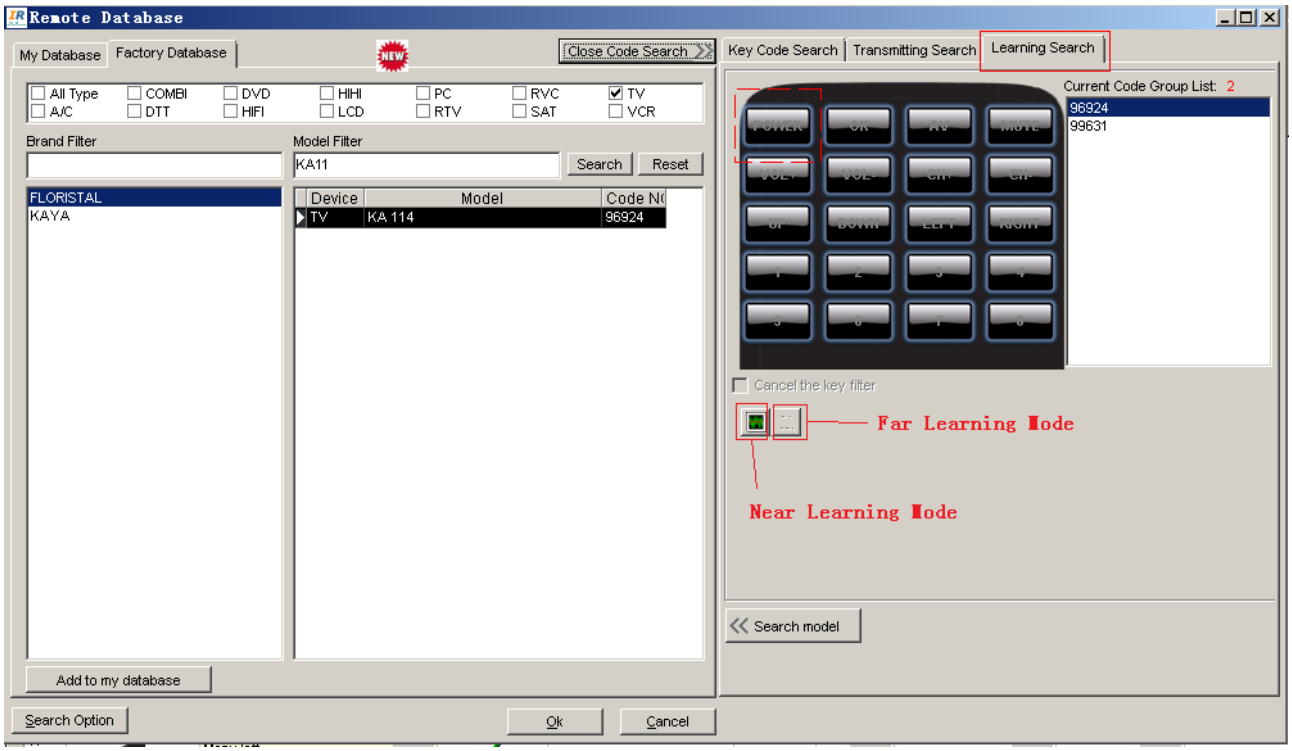
Second step: Click one key name to select the key to transmit key code by IR programmer directly.(It must be CLR7090). Before transmitting, the device has to be prepared and power on. IR programmer has to be put toward the device. If the device can be controlled, try other keys. If the device isn't controlled, try next code number by clicking "Next" button or "Start" button to transmit IR codes automatically. When the device is controlled, click "Stop" button to stop the auto transmitting.(Setup the interval time between 2 codes, 4-9 seconds).

After finding one code number with the selected key name, select "Checked OK". Then select other key name to repeat this second step.

Third step: After finding the correct code key code, click "Search Model" to search brand and model which have same code number in "Current Code Group List".

3) Learning search

Search the code in database by learning. See below photo.



First step: select the source remote control range. For example, enter "LG" brand and "6710" model key words. The result is listed. In the meantime, the code numbers of the remote control are listed in "Current Code Group List". The first code number of remote control key name is displayed in left remote control map.

Second step: Click one key name to select the key to be matched or searched.
For version 4.1.0.45 and above, power on learning switch button ---Near Learning Mode or Far Learning Mode. (See above photo)
Put the other remote control toward the IR programmer in direct line, leaving 2-10CM. Press the key of other remote control with the same key name as the remote control map. The learning search result is listed in "Current Code Group List". After one key learning search, repeat this second step to search other key.

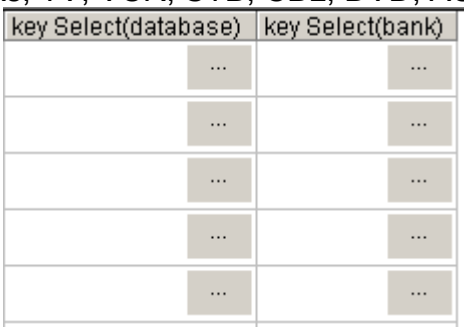
Third step: After finding the correct key code, click "Search Model" to search brand and model which have same code number in "Current Code Group List".

10, Edit button code, name and position

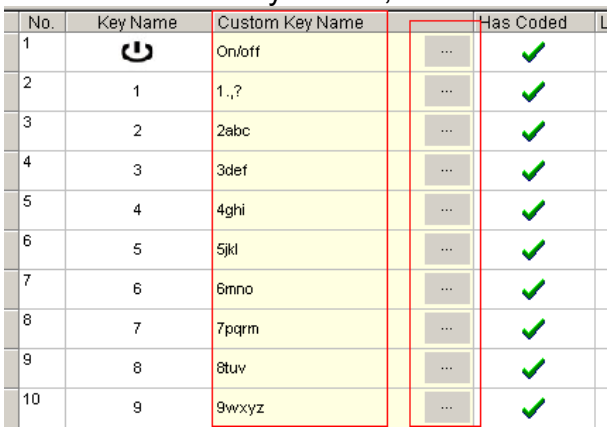
- Edit button code
  - Code Learn (*See "Code Learn"*)
  - Delete code

    Click in quick button menu, the button code of the selected column will be deleted.
  - Select button code from database or other bank

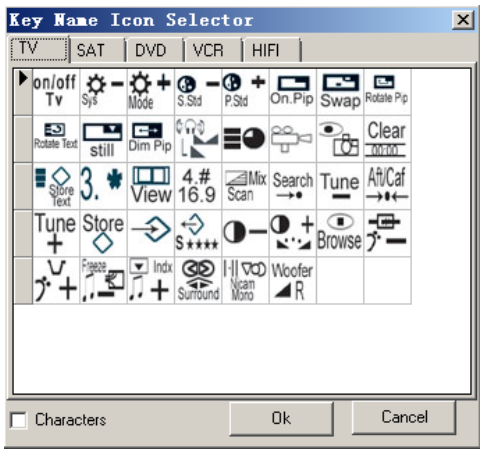
    In the main screen of PRC software, there are 2 rows at the right of table, named "key select (database)" and "key select (bank)". It means that each button code may be selected from database or other device bank (For example, CLR7922'S 6 device banks, TV, VCR, STB, CBL, DVD, AUX)



- Edit button name
  - After setup code into main table from database, learning, file or other ways, user can edit button "custom key name", in order to match the name of real PRC.



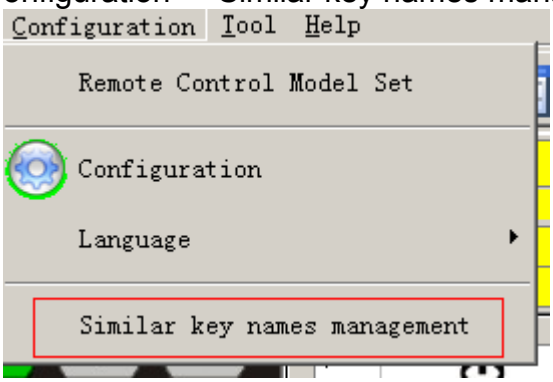
Click the menu at the right of "Custom Key Name" row, user can select button icon to use. In this button table, there are all possible button icons. Letter or characters button name is also used.



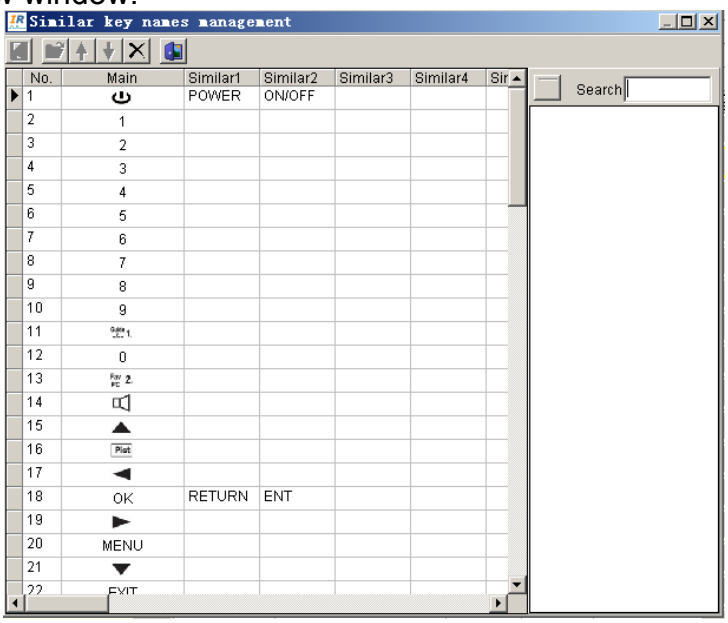
- Edit button position

  In order to put custom code to the button with same function in the real PRC, user can use below ways to adjust.

  - Click UP/DOWN menu button.
  - Click (Rearrange key order by name). Software will compare "Custom key name" and the default key name and key name template and arrange it automatically.
  - Setup template.
    Click "Configuration -> Similar key names management" as below photo.



It appears below window.



11, Print

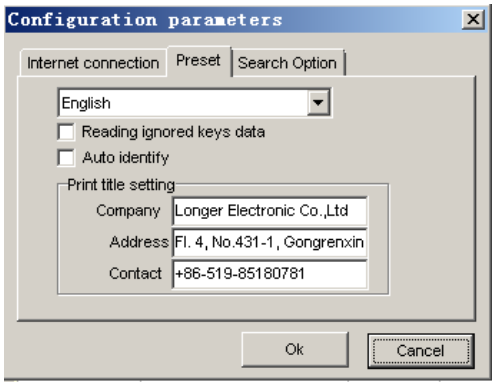
Press in the menu , appear below remote control button name relation table.

Programmable Remote Control Setting View

Longer Electronic Co.,Ltd Fl. 4, No.431-1, Gongrenxincun, Changzhou, Jiangsu +86-519-85180781

Layout Keys	TV		VCR		STB		CBL		DVD		AUX	
			/									
	Direct	Shift	Direct	Shift	Direct	Shift	Direct	Shift	Direct	Shift	Direct	Shift
⏻												
1												
2												
3												
4												
5												
6												
7												
8												
9												
0												
⏏												

In the table, the company name and address may be edited in "Configuration" as below window.

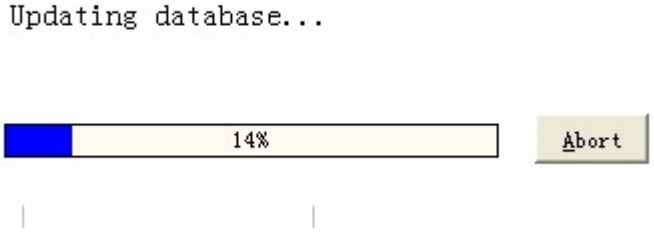


12, Some useful skills

1) Reset to factory setting
Fill in "test" in the brackets, then program to remote control.
2) Test if the programmed code into remote is correct.
In order to test if the remote is fine, please follow below instruction.
(a) Reset to factory setting
(b) Restart software and make sure the key table is blank.
(c) Use "Code Learn"(Item 7) to learn each key code to key table.
(d) Save to IR file. Refer to Item 7-5) output to PC hard disk. Name its file to be "Test-new.txt".
(e) Identify (Read) the remote code, or save "Test" code into PC file, also name it to be "Test.txt".
(f) Open "text.txt" and "Text-new.txt", compare its content, check if the key codes inside is same.
(Note: Above is only an example. User can use other codes to test and compare. This method is either to test remote control or to test the content inside the remote)

13, Others

1) Updating

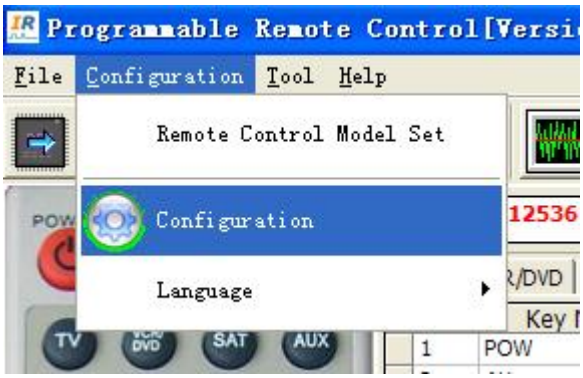


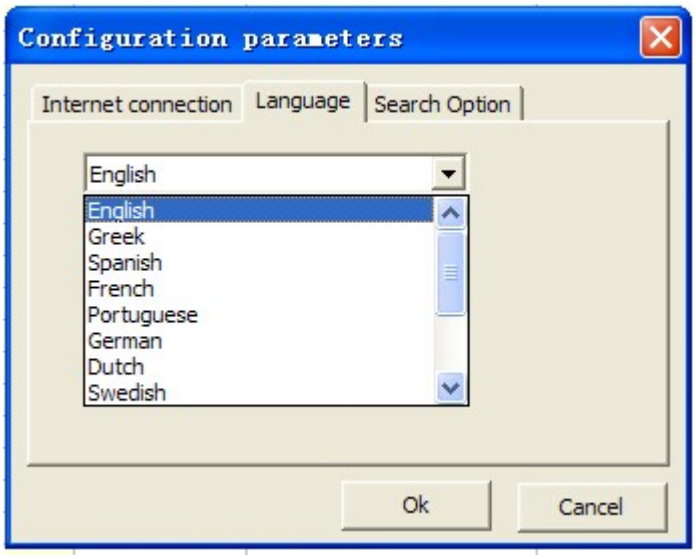
2) About

About
Programmable Remote Control Version 3.1.0.130
Last updated Data: 27/04/2011
Copyright 2010 Longer Electronics Corporation
http://www.clurc.net
czlyw@vip.163.com
Programmable Remote Control

3) Language

Programmable Remote Control[Version 3.1.0.130]
File
Configuration
Tool
Help
Remote Control Model Set
Configuration
Language
97840
Brand: AGFAPHOTO
English
Greek
Spanish
French
Portuguese
German
Dutch
Swedish
Finnish
Hungarian
Turkish
Italian
Romanian
OK
MENU
EXIT
TEXT

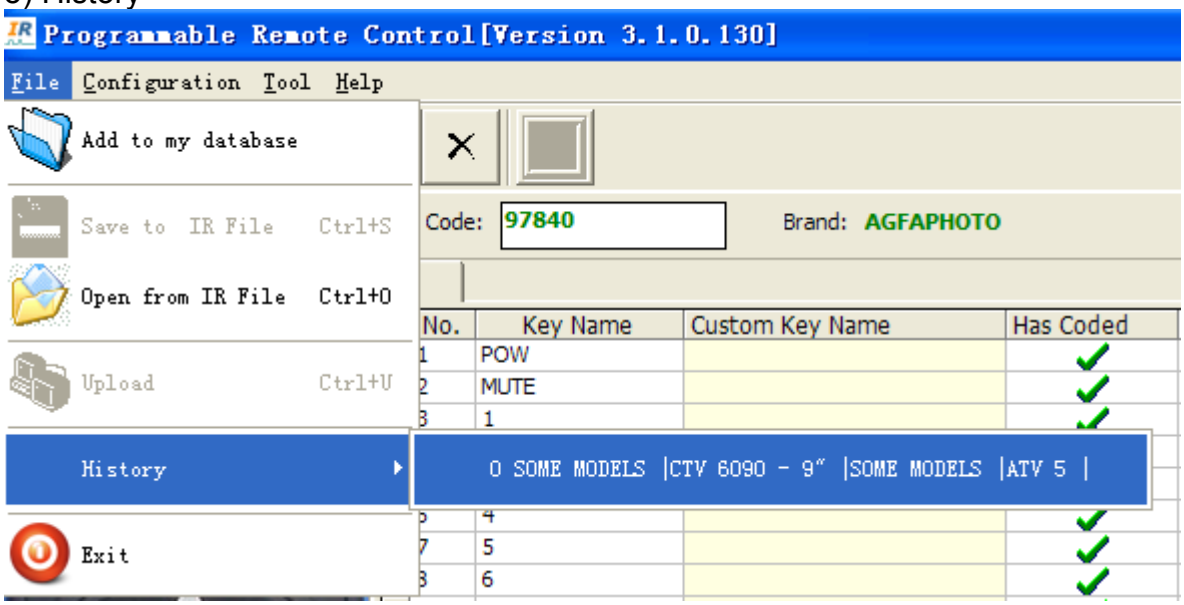




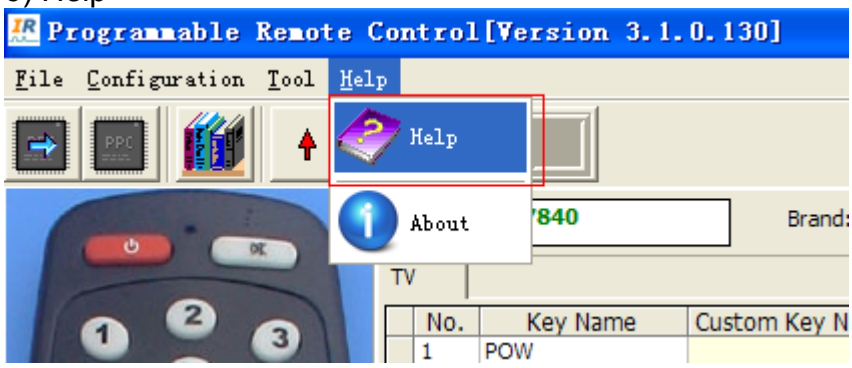
4) Internet proxy setting

Only when updating, PC is needed to connect internet. If no proxy is set, it uses direct mode to connect web server. Otherwise, it needs to be set proxy parameter.

5) History



6) Help



14, FAQ

1) How to test the remote control to be fine?
Answer: (1) If installing 2pcs AAA battery correctly, the LED of remote control will flash once. That means this remote initializes well.
Refer to item 12-2.

2) Why doesn't the LED flash when pressing some keys?
Answer: It is correct, because these key codes are not available.

3) Why does the programmer flash continuously?
Answer: It is normal.

4) How to get more support?
Answer: Please contact your direct supplier.

5) How to find more codes which is not included in database by yourself?
Answer: There are many ways.

a) Find a universal remote control, if you can find one code which can control your device, then you can learn it into PC software and adjust its key position.
b) Find other PC programmable remote control, search it and learn it into "My database".
c) If you know its brand and make, you can search it in website, www.clurc.net.